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DEMOGRAPHIC BULLETIN

SEPTEMBER 1977

Vital Statistics Ontario
Interprovincial Migration Estimates
Ontario Population Trends

Ontario

Social & Economic Unit
Central Statistical Services
Ministry of Treasury, Economics & Intergovernmental Affairs

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VITAL STATISTICS, JULY 1977 ONTARIO

BIRTHS continued to decline to 9,897 in July 1977 bringing the total for the 12 month period July 1976 to July 1977 to 122,753 as compared with 123,399 in the previous 12 months.

DEATHS were slightly higher in July 1977 than in the same month a year earlier but for the 12 month period ending in July 1977 total deaths were down from the 1975-76 period.

NATURAL INCREASE has shown a downward movement similar to that of births from 62,629 in the 1975-76 year to 62,321 in 1976-77.

MARRIAGES - Despite an increased number of young people of marriageable age the rate of marriages per thousand population is declining as is the actual number of marriages. In the year ending July '77 marriages totalled 66,359 as compared with 69,940 for the previous year.

DIVORCES in Ontario are continuing to increase to a total of 1,965 for the month of July 1977 as compared with 1,605 for the same month in the previous year. Thus divorces amounted to nearly 30 per cent of the number of marriages.

Marriage and Divorce Rates per 1,000 Population

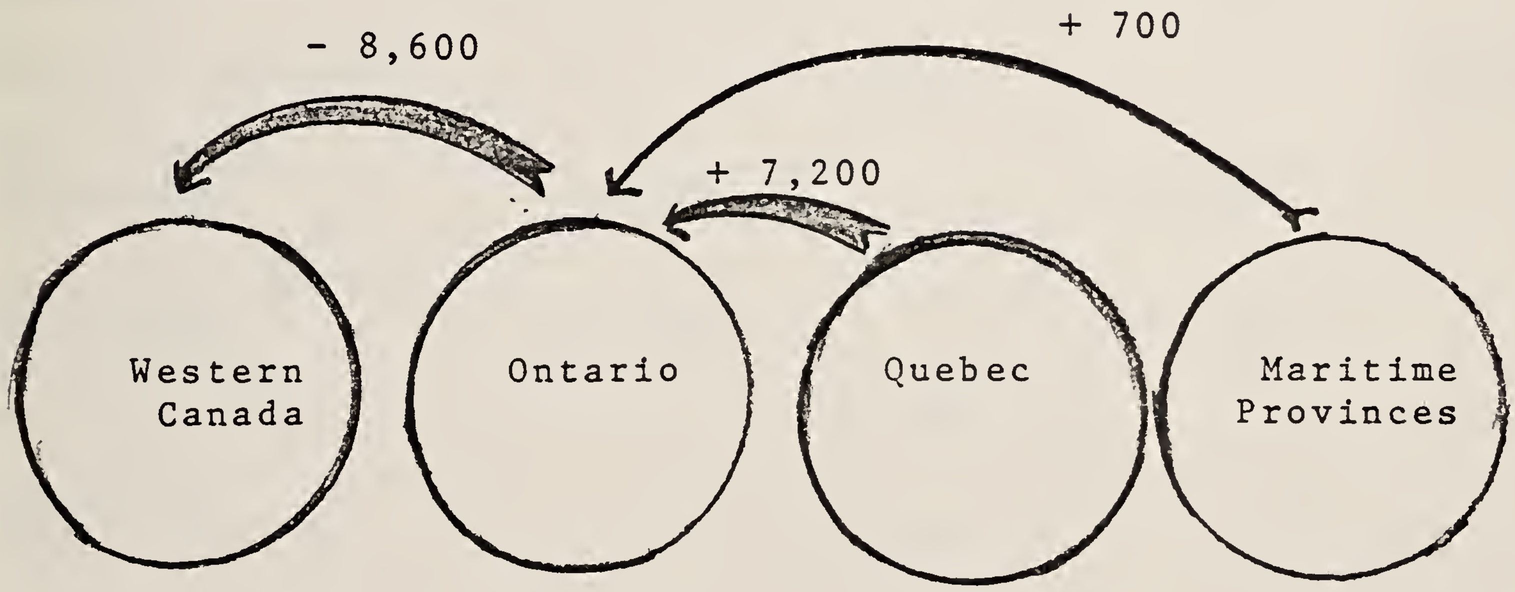
	July		12 months ended June			
	1977	1976	1974	1975	1976	1977
Marriages	7,120	7,366	9.1	8.7	8.7	8.0
Divorces	1,965	1,605	1.8	1.9	2.0	2.3

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

1977	Western Canada	Quebec	Maritime Provinces	Net Loss to Ontario
July	- 1,650	+ 1,140	- 100	- 600
Jan. to July	- 8,600	+ 7,200	+ 700	- 700

7 months 1977



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

ONTARIO POPULATION TRENDS, July 1, 1975 to July 1, 1977.

Population growth declined from a total of 118,000 in 1975/76 to 105,000 during 1976/77. This decline was due to a sharp fall of 23% in the net migration component -- 42,600 in 1976/77 compared with 55,400 in the previous year. Natural increase at around 62,500, was the same each year.

COMPONENTS OF POPULATION GROWTH

	July 1/75 to July 1/76		July 1/76 to July 1/77	
Population First of period		8,160,000		8,278,000
Births	123,400		122,800	
Deaths	60,800		60,400	
Natural Increase		62,600		62,400
Net Foreign Migration	66,700		50,000	
Net Interprovincial Migration	- 11,300		7,400	
Net Migration		55,400		42,600
Population end of period		8,278,000		8,383,000

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TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

Item (1)	July				12 months ending with July						January - July			
	Number		Difference		Number		Rate/1000 pop.				Number		Difference	
	1977	1976	Number	%	1977	1976	1977	1976	1975	1974	1977	1976	Number	%
Live Births	9,897	10,219	-322	-3.2	122,753	123,399	14.7	14.9	15.0	16.1	76,679	73,573	-1,894	-2.6
Deaths	4,744	4,628	+116	+2.5	60,432	60,770	7.2	7.4	7.4	7.7	35,772	36,405	-633	-1.7
Natural Increase	5,153	5,591	-438	-7.8	62,321	62,629	7.5	7.5	7.6	8.4	35,907	37,168	-1,261	-3.4
Marriages	7,120	7,366	-246	-3.3	66,359	69,940	7.9	8.5	9.0	9.2	34,343	36,814	-2,471	-6.7
Divorces	1,965	1,605	+360	+22.4	19,378	16,728	2.3	2.0	1.9	1.8	11,384	9,788	+1,596	+16.3
Population Base (in thousands)	--	--	--	--	--	--	8,377 (3)	8,264 (2)	8,149 (3)	8,035 (3)	--	--	--	--

Sources:
(1) Registrar General, Ministry of Consumer and Commercial Relations
(2) Statistics Canada: Census 1976
(3) Social and Demographic Unit, Central Statistical Services, TEIGA (Estimates)

Social and Economic Data
Central Statistical Services
August, 1977

TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR JULY AND JANUARY-JULY, 1977

Between Ontario and	July 1977			January - June 1977			January - July 1977		
	Transfer of		Cumu-lative	Transfer of		Cumu-lative	Transfer of		Cumu-lative
	Children	Drivers		Children	Drivers		Children	Drivers	
Newfoundland	-52	+36	-16	+241	+364	+605	+189	+400	+589
Prince Edward Island	-49	-13	-61	-63	+53	-10	-111	+40	-71
Nova Scotia	-33	+22	-11	+136	-25	+111	+103	-3	+100
New Brunswick	-30	+29	-10	+88	+42	+130	+49	+71	+120
Quebec	+742	+394	+1,136	+2,076	+3,986	+6,062	+2,818	+4,380	+7,198
Manitoba	+39	+9	+48	-6	-35	-41	-33	-26	+7
Saskatchewan	-21	-95	-116	-146	+80	-66	-167	-15	-182
Alberta	-358	-408	-766	-1,249	-2,756	-4,005	-1,607	-3,164	-4,771
British Columbia	-188	-580	-768	-548	-2,283	-2,831	-736	-2,863	-3,599
Yukon and N.W. Territories	-18	-33	-51	+7	-30	-23	-11	-63	-74
Total Received	+24	-639	-615	+536	-604	-68	+560	-1,237	-683

Source: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts
Ontario Ministry of Transportation and Communications, Drivers Change of Address.

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November 1977

Vital Statistics Ontario

Interprovincial Migration Estimates

Population Growth and Patterns of Settlement in Ontario

Population Growth in The Regional Municipality of Waterloo

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Marriage and Divorce Rates

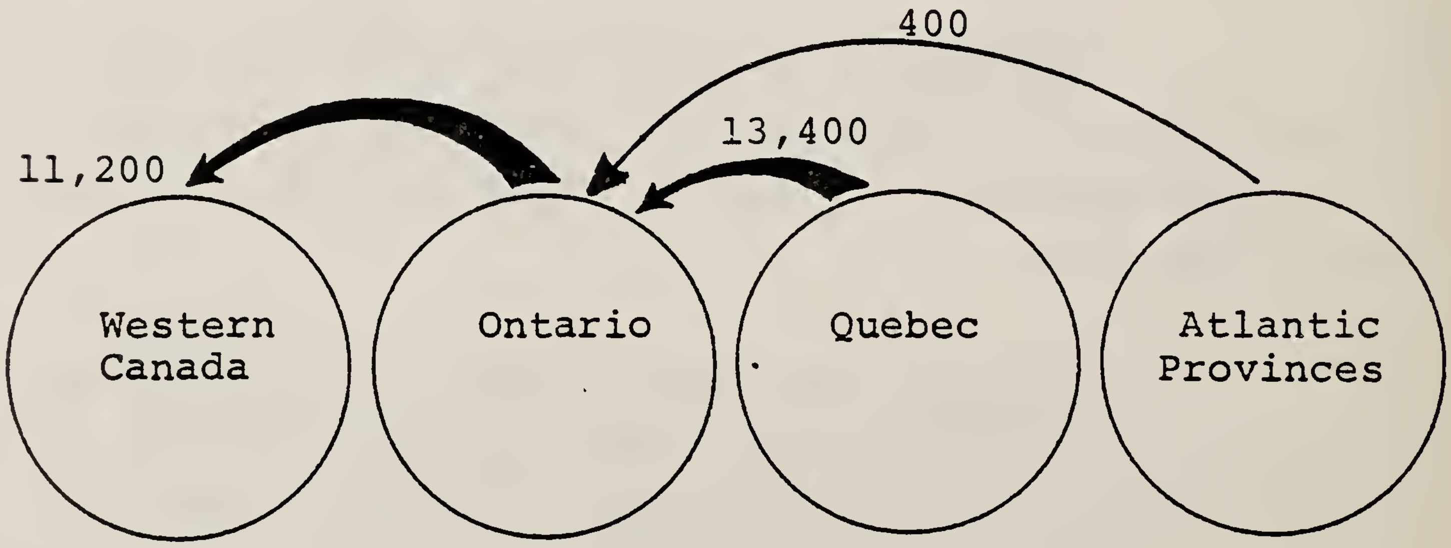
	September		12 month ended September			
	1977	1976	1974	1975	1976	1977
	Number		per 1000 population			
Marriages	7,440	8,059	9.0	9.0	8.5	7.8
Divorces	1,619	1,431	1.8	1.9	2.0	2.4

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1977				
September	- 400	3,000	100	2,700
Jan. to Sept.	- 11,200	13,400	400	2,600

9 Months 1977



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

The estimated net exchange of migrants between Ontario and other regions of Canada during September indicates a net gain for Ontario of 2,700 persons, as a result of a net inflow of 3,400 inmigrants, mainly from Quebec (3,000) and a net outflow of 700 migrants to New Brunswick and the West.

The cumulative net migration for the nine months shows a net gain of over 2,500 persons. Over 13,000 gain from Quebec and 11,000 loss to Alberta and British Columbia.

POPULATION GROWTH AND PATTERNS OF SETTLEMENT IN ONTARIO, 1971-1976

During the five year period 1971-76 the provincial population increased by 7.3 per cent to reach over 8 1/4 million. There was a great disparity in growth between the southern and northern regions, as 98 per cent of total growth took place in the south and only two per cent in the north.

Year	Components of Population Change	Three Southern Regions	Two Northern Regions	Ontario
1971	Population	6,896,357	806,749	7,703,106
	Natural Increase	+ 285,367	+ 41,840	+ 327,207
	Net Migration	+ 265,600	- 31,448	+ 234,152
1976	Population	7,447,324	817,141	8,264,465

Northern Ontario had a net outmigration of 31,448 in this five-year period, while the southern regions gained 265,600 people. The combined growth of the three southern regions amounted to 551,000 persons or 98 per cent of the total population growth. Seventy-two per cent took place in the Central Ontario Region, 14.0 per cent in Eastern Ontario, and 12.0 per cent in Southwestern Ontario.

The distribution curve of Ontario's county growth rate has been very asymmetrical since one quarter of Ontario's counties experienced very rapid growth rates, one third modest growth rates, almost one third below average growth rates and seven counties a loss of population. These differences are long standing and it is difficult to foresee a change in the immediate future. Seven jurisdictions: Halton, Peel, York, Toronto Metropolitan Corporation, Simcoe, Waterloo and Durham contributed 58.1% (326,300) to the overall population growth in the Province.

In the Central Ontario Region we find 11 of the 14 "fast growth" counties. Six are influenced by the growth of Census Metropolitan Toronto, namely, Dufferin (especially in and around Orangeville), Durham, Halton, Peel, Simcoe (especially the southern part) and the Regional Municipality of York. Waterloo is responding to the growth of C.M.A. Kitchener, and Wellington to the growth of Guelph.

Haliburton, Muskoka and Victoria recorded impressive growth rates in relative terms but had combined growth of only 13,400 people.

Two fast growth counties are located in the Eastern Ontario Region and are influenced by the proximity of large urban centres; Russell County by Ottawa, and Lennox & Addington by Kingston.

The fast growth of Bruce county in Southwestern Ontario is explained by construction activities related to the nuclear power development at Douglas Point. There could be a decline in population as the development work is completed.

PATTERNS OF SETTLEMENT

Patterns of settlement have undergone interesting changes since the proportion of Ontarions living in townships and unorganized territories increased from 18.3% in 1971 to 19.4% in 1976 whereas the population living in cities, towns and villages declined from 81.7% in 1971 to 80.4% in 1976. Above average growth has occurred in townships surrounding the census metropolitan areas and census agglomerations as well as in townships abutting Georgian Bay. Significant growth also occurred in some townships in the Counties of Haliburton and Victoria.

The share of population living in large municipalities (over 100,000), increased from 48.5% in 1971 to 49.7% in 1976, (or 373,800), however those living in municipalities under 100,000 population declined by 2.3 percentage points, from 33.2% in 1971 to 30.9% in 1976, although the population grew marginally in absolute terms.

Ontario: Population Distribution by Size of Centre 1971-1976

Size of Municipality	1971		1976		Difference	
	Number	Per cent	Number	Per cent	Number	Per cent
less than 10,000	560,010	7.3	550,658	6.7	-9,352	- 1.7
10,000 - 99,999	1,995,487	25.9	2,005,659	24.3	10,172	0.5
100,000 and over	3,735,352	48.5	4,109,184	49.7	373,832	10.0
Remainder*	1,412,247	18.3	1,598,964	19.3	186,707	13.2
Total	7,703,106	100.0	8,264,465	100.0	561,359	100.0

* Townships, Indian Reserves and Unorganized territory.

Components of Population Growth in The Regional Municipality of Waterloo, 1961-1976

Between 1961 and 1976, the population of The Regional Municipality of Waterloo increased by 112,375 or 63.6 per cent. Natural Increase contributed 42.7% to the population growth and net migration 57.3%. Both components have shown a tendency to decline but the rate of decline is faster for the Net Migration component than for Natural Increase. The former declined by 42.6% and the latter by 33.3% during the 15 year period.

Waterloo County: Component of Population Growth, 1961-1976

Population, June 1, 1961	176,754
+ Natural Increase	16,439
+ Net Migration	23,545
Population, June 1, 1966	216,738
+ Natural Increase	15,900
+ Net Migration	21,409
Population, June 1, 1971	254,037
+ Natural Increase	15,676
+ Net Migration	19,416
Population, June 1, 1976	289,129

Notes

The analysis in this report does not supersede the previous analysis of Settlement Patterns, published in the publication "Ontario Population Trends: A Review of Implications" December 1976, although the latter was based on preliminary data. In the earlier publication changes in settlement patterns of Ontario's population as they occurred within a broader definition of "municipality" were analyzed, i.e., a municipality had a geographical (planning) connotation - metropolitan areas or larger agglomerations were treated as a unit. In the present study changes of settlement patterns are discussed as they occur among municipalities defined in a legal (incorporated) sense. Two processes of change are:

(1) A municipality may change its classification through an increment or loss of population. A prime example of

this can be found in the Northeastern Region where the classification of "municipality of 100,000-499,999" disappeared in 1976 although it was present in 1971 because the city of Sudbury lost 2,850 people and consequently dropped to a lower classification of "municipality of 25,000-99,999" thus enlarging this class by almost 60.0 per cent.

(2) Creation of new municipalities, through regional reorganization, such as occurred in Central Ontario Region.

The intercensal population estimates for Ontario, the planning regions and counties, by sex and 5-year age groups, 1972-1976 have been revised and are available at the Ontario Government Bookstore, 880 Bay Street, Toronto, Ontario M7A 1N8, (telephone 965-2054). Price $1.00

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

	SEPTEMBER				12 MONTHS ENDING WITH SEPTEMBER						JANUARY - SEPTEMBER			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
ITEM[1]	1977	1976	NUMBER	%	1977	1976	1977	1976	1975	1974	1977	1976	NUMBER	%
Live Births	10,233	9,747	+486	+5.0	122,867	123,520	14.7	15.0	15.0	15.2	93,023	94,803	-1,780	-1.9
Deaths	4,944	4,473	+471	+10.5	60,511	60,848	7.2	7.4	7.4	7.4	45,705	46,259	-554	-1.2
Natural Increase	5,289	5,274	+15	+0.3	62,356	62,672	7.5	7.6	7.6	7.8	47,318	48,544	-1,226	-2.5
Marriages	7,440	8,059	-619	-7.7	65,562	69,979	7.8	8.5	9.0	9.0	50,417	53,685	-3,268	-6.1
Divorces	1,619	1,431	+188	+13.1	20,071	16,745	2.4	2.0	1.9	1.8	13,974	12,505	+1,469	+11.7
Population Base[2] (in thousands)	-	-	-	-	-	-	8,374	8,264	8,172	8,054	-	-	-	-

SOURCES: 1 Registrar General, Ministry of Consumer and Commercial Relations
2 Statistics Canada: Census 1976 and Cat. No. 91-201

Social and Economic Data
Central Statistical Services
Ministry of Treasury, Economics
and Intergovernmental Affairs

November 1977

TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR SEPTEMBER AND JANUARY - SEPTEMBER, 1977

	SEPTEMBER 1977			JANUARY - AUGUST 1977			JANUARY - SEPTEMBER 1977		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
BETWEEN ONTARIO AND	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS	CUMULATIVE	CHILDREN	DRIVERS	CUMULATIVE
Newfoundland	45	143	188	144	400	544	189	543	732
Prince Edward Island	-28	-4	-32	-124	2	-122	-152	-2	-154
Nova Scotia	16	55	71	-5	-119	-124	11	-64	-53
New Brunswick	-71	-78	-149	-21	75	54	-92	-3	-95
Quebec	1,278	1,735	3,013	4,190	6,201	10,391	5,468	7,936	13,404
Manitoba	68	38	106	71	32	103	139	70	209
Saskatchewan	-55	-17	-72	-212	-128	-340	-267	-145	-412
Alberta	-190	-193	-383	-2,083	-4,351	-6,434	-2,273	-4,544	-6,817
British Columbia	-106	77	-29	-973	-3,074	-4,047	-1,079	-2,997	-4,076
Yukon and N.W. Territiories	-19	2	-17	-41	-100	-141	-60	-98	-158
Total Received	938	1,758	2,696	946	-1,062	-116	1,884	696	2,580

*Preliminary Estimates

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts.
Ontario Ministry of Transportation and Communications, Drivers Change of Address.

Social and Economic Data
Central Statistical Services
Ministry of Treasury, Economics
and Intergovernmental Affairs

November 1977

TABLE 3

Ontario: Population Growth Patterns by County and Regions for the Period 1971-1976

REGION	Relative Population Change (%)			
	Fast Growth 11.1% and over	Modest Growth 5.1% to 11.0%	Slow Growth 0.1% to 5.0%	Declining
Eastern	Lennox & Addington Russell	Dundas Frontenac Grenville Hastings Ottawa-Carleton (R.M.) Prince Edward	Glengarry Lanark Leeds Prescott	Renfrew Stormont
Central	Dufferin Durham (R.M.) Haliburton Halton (R.M.) Muskoka (D.M.) Peel (R.M.) Simcoe Victoria Waterloo (R.M.) Wellington York (R.M.)	Niagara (R.M.) Northumberland Peterborough	Brant Haldimand-Norfolk (R.M.) Hamilton-Wentworth (R.M.) Toronto (M.M.)	
Southwestern	Bruce	Grey Huron Lambton Middlesex Oxford Perth	Elgin Essex Kent	
Northeastern		Parry Sound	Algoma Cochrane Nipissing	Manitoulin Sudbury (R.M.) Sudbury (T.D.) Timiskaming
Northwestern		Kenora	Thunder Bay	Rainy River
ONTARIO: No. of counties & districts	14	17	15	7

Abbreviations:

R.M. - Regional Municipality
D.M. - District Municipality
M.M. - Metropolitan Municipality
T.D. - Territorial District

Social and Economic Data
Central Statistical Services
Ministry of Treasury, Economics
and Intergovernmental Affairs

November 1977

TABLE 4

ONTARIO: CENSUS POPULATION BY COUNTY AND PLANNING REGION, 1971 AND 1976 AND PROJECTED POPULATION FOR 1976 (LF50) SHOWING ABSOLUTE AND RELATIVE CHANGE

REGION/COUNTY	CENSUS POPULATION		POPULATION CHANGE 1971-1976		POPULATION PROJECTIONS 1976 LOW FERTILITY 50,000 MIGRATION	DIFFERENCE 1976 CENSUS-1976 PROJECTION	
	1971	1976	ABSOLUTE	PER CENT		ABSOLUTE	PER CENT
Eastern Ontario	1,070,916	1,149,299	78,383	7.3	1,142,137	-7,162	-0.6
Dundas	17,457	18,507	1,050	6.0	17,239	-1,268	-6.9
Frontenac	101,692	108,052	6,360	6.3	105,318	-2,734	-2.5
Glengarry	18,480	19,270	790	4.3	18,534	-736	-3.8
Grenville	24,316	26,025	1,709	7.0	24,867	-1,158	-4.4
Hastings	99,393	105,837	6,444	6.5	104,352	-1,485	-1.4
Lanark	42,259	44,197	1,938	4.6	42,236	-1,961	-4.4
Leeds	50,093	52,579	2,486	5.0	50,395	-2,184	-4.2
Lennox & Addington	28,359	32,633	4,274	15.1	29,942	-2,691	-8.2
Ottawa-Carleton (R.M.)	471,931	520,533	48,602	10.3	527,890	7,357	1.4
Prescott	27,832	29,100	1,268	4.6	28,430	-670	-2.3
Prince Edward	20,640	22,559	1,919	9.3	19,925	-2,634	-11.7
Renfrew	90,875	89,099	-1,776	-2.0	93,285	4,186	4.7
Russell	16,287	19,735	3,448	21.2	17,215	-2,520	-12.8
Stormont	61,302	61,173	-129	-0.2	62,509	1,336	2.2
Central Ontario	4,644,869	5,050,849	405,980	8.7	5,090,529	39,680	0.8
Brant	96,767	99,099	2,332	2.4	103,246	4,147	4.2
Dufferin	21,200	28,528	7,328	34.6	23,286	-5,242	-18.4
Durham (R.M.)	217,430	247,473	30,043	13.8	245,265	-2,208	-0.9
Haldimand-Norfolk (R.M.)	86,714	89,252	2,538	2.9	91,386	2,134	2.4
Haliburton	9,081	10,795	1,714	18.9	9,659	-1,136	-10.5
Halton (R.M.)	189,851	228,497	38,646	20.4	221,857	-6,640	-2.9
Hamilton-Wentworth (R.M.)	401,239	409,490	8,251	2.1	418,494	9,004	2.2

ONTARIO: CENSUS POPULATION BY COUNTY AND PLANNING REGION, 1971 AND 1976 AND PROJECTED POPULATION FOR 1976 (LF50) SHOWING ABSOLUTE AND RELATIVE CHANGE

(CONTINUATION)

REGION/COUNTY	CENSUS POPULATION		POPULATION CHANGE 1971-1976		POPULATION PROJECTIONS 1976 LOW FERTILITY 50,000 MIGRATION	DIFFERENCE 1976 CENSUS-1976 PROJECTION	
	1971	1976	ABSOLUTE	PER CENT		ABSOLUTE	PER CENT
Central Ontario (Cont'd)							
Muskoka (D.M.)	31,938	36,691	4,753	14.9	33,445	-3,246	-8.8
Niagara (R.M.)	347,328	365,438	18,110	5.2	367,352	1,914	0.5
Northumberland	59,227	64,441	5,214	8.8	61,643	-2,798	-4.3
Peel (R.M.)	259,874	375,910	116,036	44.7	327,681	-48,229	-12.8
Peterborough	92,417	99,930	7,513	8.1	97,019	-2,911	-2.9
Simcoe	175,965	210,691	34,726	19.7	189,660	-21,031	10.0
Toronto (M.M.)*	2,089,729	2,124,291	34,562	1.7			
Victoria	36,641	43,543	6,902	18.8	37,568	-5,975	-13.7
Waterloo (R.M.)	254,681	289,129	34,448	13.5	289,753	624	0.2
Wellington	108,727	123,736	15,009	13.8	120,882	-2,854	-2.3
York (R.M.)*	166,060	203,915	37,855	22.8			
Southwestern Ontario	1,180,572	1,247,176	66,604	5.6	1,250,058	2,882	0.2
Bruce	47,385	57,472	10,087	21.3	49,255	-8,217	-14.3
Elgin	66,608	69,092	2,484	3.7	69,887	795	1.2
Essex	306,397	310,362	3,965	1.3	332,771	22,409	7.2
Grey	66,403	72,176	5,773	8.7	68,086	-4,090	-5.7
Huron	52,951	56,007	3,056	5.8	50,794	-5,213	-9.3
Kent	101,120	106,130	5,010	5.0	105,115	-1,015	-1.0
Lambton	114,314	120,576	6,262	5.5	119,392	-1,184	-1.0
Middlesex	282,014	303,745	21,731	7.7	306,733	2,988	1.0
Oxford	80,407	85,337	4,930	6.1	83,440	-1,897	2.2
Perth	62,973	66,279	3,306	5.2	64,585	-1,694	-2.6

ONTARIO: CENSUS POPULATION BY COUNTY AND PLANNING REGION, 1971 AND 1976 AND PROJECTED POPULATION FOR 1976 (LF50) SHOWING ABSOLUTE AND RELATIVE CHANGE

(CONTINUATION)

REGION/COUNTY	CENSUS POPULATION		POPULATION CHANGE 1971-1976		POPULATION PROJECTIONS 1976 LOW FERTILITY	DIFFERENCE 1976 CENSUS-1976 PROJECTION	
	1971	1976	ABSOLUTE	PER CENT	50,000 MIGRATION	ABSOLUTE	PER CENT
Northeastern Ontario	582,379	583,746	1,367	0.2	616,807	33,061	5.7
Algoma	121,937	122,883	946	0.8	130,216	7,333	6.0
Cochrane	95,879	96,825	946	1.0	95,565	-1,260	-1.3
Manitoulin	10,931	10,893	-38	-0.3	10,951	58	0.5
Nipissing	78,867	81,739	2,872	3.6	82,558	819	1.0
Parry Sound	30,244	32,654	2,410	8.0	31,355	-1,299	-4.0
Sudbury (R.M.)**	169,048	167,705	-1,343	-0.8			
Sudbury (T.D.)**	29,031	27,287	-1,744	-6.0			
Timiskaming	46,442	43,760	-2,682	-5.8	46,240	2,480	5.7
Northwestern Ontario	224,370	233,395	9,025	4.0	225,783	-7,612	-3.3
Kenora	53,230	57,980	4,750	8.9	52,838	-5,142	-8.9
Rainy River	25,750	24,768	-982	-3.8	24,431	-337	-1.4
Thunder Bay	145,390	150,647	5,257	3.6	148,514	-2,133	-1.4
Total, Province of Ontario	7,703,106	8,264,465	561,359	7.3	8,325,314	60,849	0.7
*Toronto	2,089,729	2,124,291					
York (R.M.)	166,060	203,915					
Total York	2,255,789	2,328,206	72,417	3.2	2,452,333	124,127	5.3
**Sudbury (R.M.)	169,048	167,705					
Sudbury (T.D.)	29,031	27,287					
Total Sudbury	198,079	194,992	-3,087	-1.6	219,922	24,930	12.8

R.M. - Regional Municipality
D.M. - District Municipality
M.M. - Metropolitan Municipality
T.D. - Territorial District

Ministry of Treasury, Economics
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June 1, 1977

TABLE 5

ONTARIO MUNICIPALITIES* CLASSIFIED BY SIZE OF POPULATION, 1971 and 1976 BY PLANNING REGIONS

SIZE OF MUNICIPALITY	1971		1976		CHANGE 1971-1976	
	POPULATION	PER CENT	POPULATION	PER CENT	NUMBER	PER CENT
ONTARIO						
Less than 1,000	48,448	0.6	44,149	0.5	-4,299	-8.9
1,000 - 4,999	252,176	3.3	258,348	3.1	6,172	2.4
5,000 - 9,999	259,386	3.4	248,161	3.0	-11,225	-4.3
10,000 - 24,999	595,845	7.7	644,595	7.8	48,750	8.2
25,000 - 99,999	1,399,642	18.2	1,361,064	16.5	-38,578	-2.8
100,000 - 499,999	2,518,416	32.7	2,917,468	35.3	399,052	15.8
500,000 and over	1,216,936	15.8	1,191,716	14.4	-25,220	-2.1
Remainder: Twps., Unorg., Ind. Res., etc.	1,412,257	18.3	1,598,964	19.4	186,707	13.2
Total	7,703,106	100.0	8,264,465	100.0	561,359	7.3
EASTERN ONTARIO						
Less than 1,000	12,282	1.1	10,315	0.9	-1,967	-16.0
1,000 - 4,999	55,217	5.2	61,942	5.4	6,725	12.2
5,000 - 9,999	66,687	6.2	61,210	5.3	-5,477	-8.2
10,000 - 24,999	73,430	6.9	71,107	6.2	-2,323	-3.2
25,000 - 99,999	141,291	13.2	137,464	12.0	-3,827	-2.7
100,000 - 499,999	302,341	28.2	304,462	26.5	2,121	0.7
500,000 and over	-	-	-	-	-	-
Remainder: Twps., Unorg., Ind. Res., etc.	419,668	39.2	502,799	43.7	83,131	19.8
Total	1,070,916	100.0	1,149,299	100.0	78,383	7.3
CENTRAL ONTARIO						
Less than 1,000	7,927	0.2	6,415	0.1	-1,512	-19.1
1,000 - 4,999	47,643	1.0	54,903	1.1	7,260	15.2
5,000 - 9,999	77,959	1.7	49,456	1.0	-28,503	-36.6
10,000 - 24,999	362,370	7.8	435,618	8.6	73,248	20.2
25,000 - 99,999	941,152	20.3	774,659	15.3	-166,493	-17.7
100,000 - 499,999	1,580,696	34.0	2,064,612	40.9	483,916	30.6
500,000 and over	1,216,936	26.2	1,191,716	23.6	-25,220	-2.1
Remainder: Twps., Unorg., Ind. Res., etc.	410,186	8.8	473,470	9.4	63,284	15.4
Total	4,644,869	100.0	5,050,849	100.0	405,980	8.7
SOUTHWESTERN ONTARIO						
Less than 1,000	20,828	1.8	20,229	1.6	-599	-2.9
1,000 - 4,999	106,460	9.0	98,983	7.9	-7,477	-7.0
5,000 - 9,999	44,662	3.8	70,236	5.6	25,574	57.3
10,000 - 24,999	63,962	5.4	41,826	3.4	-22,136	-34.6
25,000 - 99,999	144,706	12.3	173,903	14.0	29,197	20.2
100,000 - 499,999	426,522	36.1	436,918	35.0	10,396	2.4
500,000 and over	-	-	-	-	-	-
Remainder: Twps., Unorg., Ind. Res., etc.	373,432	31.6	405,081	32.5	31,649	8.5
Total	1,180,572	100.0	1,247,176	100.0	66,604	5.6
NORTHEASTERN ONTARIO						
Less than 1,000	7,411	1.3	7,190	1.2	-221	-3.0
1,000 - 4,999	33,492	5.8	33,239	5.7	-253	-0.8
5,000 - 9,999	53,192	9.1	51,135	8.8	-2,057	-3.9
10,000 - 24,999	85,131	14.6	85,479	14.6	348	0.4
25,000 - 99,999	172,493	29.6	275,038	47.1	102,545	59.4
100,000 - 499,999	100,446	17.2	-	-	-100,446	-100.0
500,000 and over	-	-	-	-	-	-
Remainder: Twps., Unorg., Ind. Res., etc.	130,214	22.4	131,665	22.6	1,451	1.1
Total	582,379	100.0	583,746	100.0	1,367	0.2
NORTHWESTERN ONTARIO						
Less than 1,000	-	-	-	-	-	-
1,000 - 4,999	9,364	4.2	9,281	4.0	-83	-0.9
5,000 - 9,999	16,886	7.5	16,124	6.9	-762	-4.5
10,000 - 24,999	10,952	4.9	10,565	4.5	-387	-3.5
25,000 - 99,999	-	-	-	-	-	-
100,000 - 499,999	108,411	48.3	111,476	47.8	3,065	2.8
500,000 and over	-	-	-	-	-	-
Remainder: Twps., Unorg., Ind. Res., etc.	78,757	35.1	85,949	36.8	7,192	9.1
Total	224,370	100.0	233,395	100.0	9,025	4.0

*Classification of Municipalities based on the Municipal Directory, 1977-78, Ministry of Treasury, Economics and Intergovernmental Affairs.

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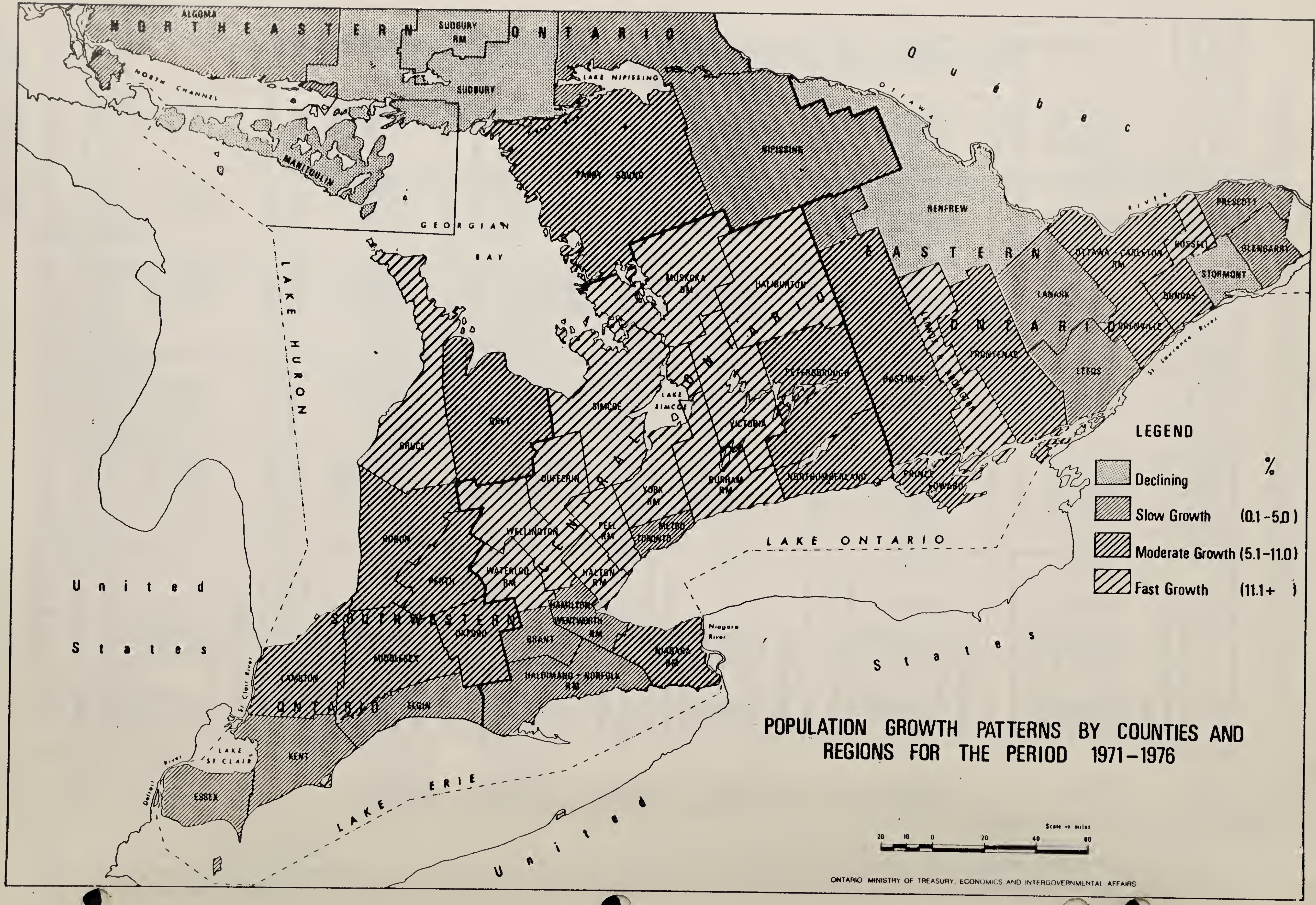
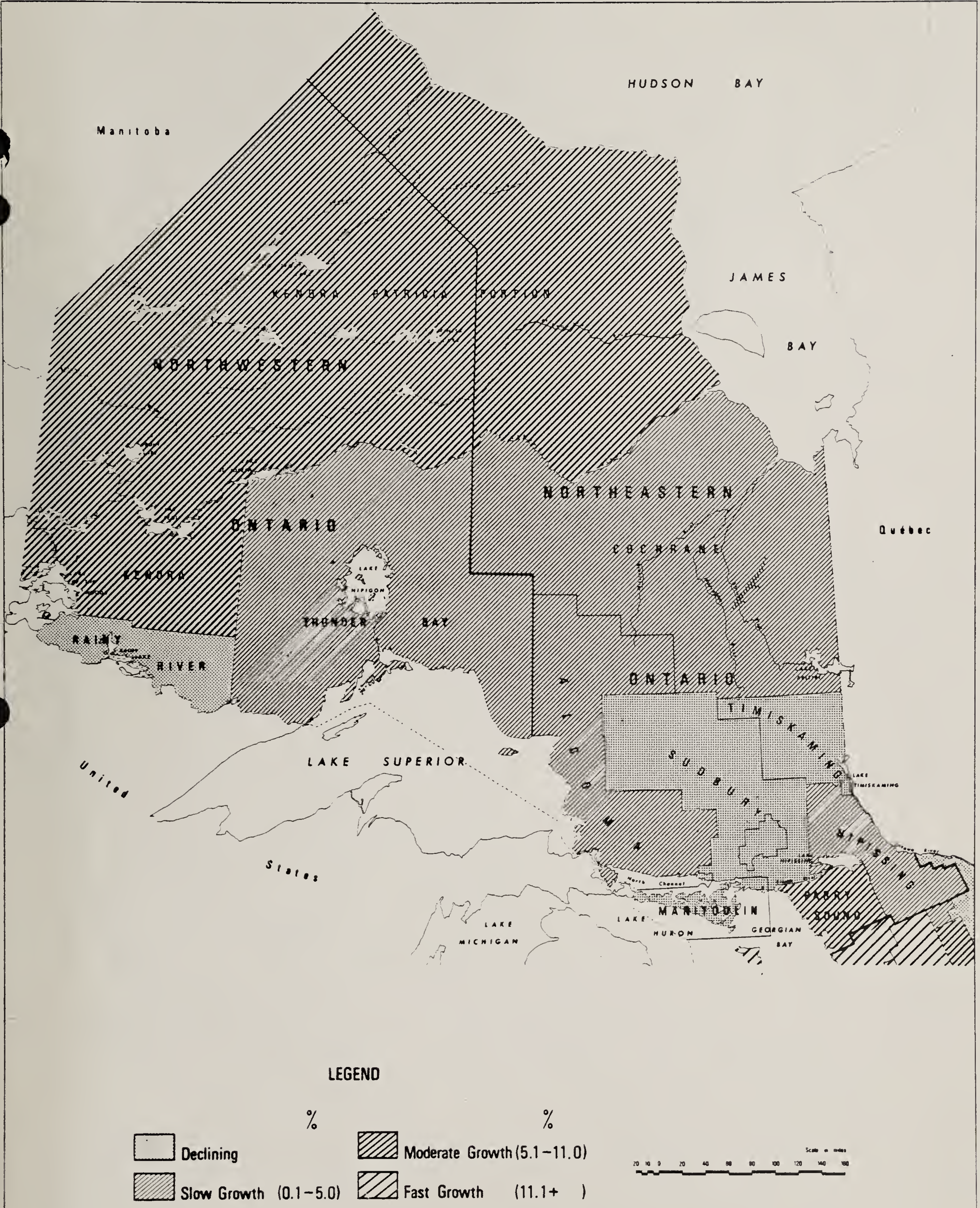


POPULATION GROWTH PATTERNS BY COUNTIES AND REGIONS FOR THE PERIOD 1971–1976



POPULATION GROWTH PATTERNS BY COUNTIES AND REGIONS FOR THE PERIOD 1971–1976

ONTARIO MINISTRY OF TREASURY ECONOMICS AND INTERGOVERNMENTAL AFFAIRS

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Vital Statistics Ontario

Review of Interprovincial Migration Trends, 1961-76

Regional Municipality of Hamilton-Wentworth:
Components of Population Growth 1961-76.

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ESTIMATED POPULATION FOR ONTARIO

The estimated Ontario population on November 1, 1977 was 8,424,000.

Population Living within a Radius of 100 miles from Toronto (City Hall)

in Ontario	5,400,000
in U.S.A.	2,600,000
Total	8,000,000

VITAL STATISTICS, OCTOBER ONTARIO

BIRTHS continued to decline and the number of births for the 12 month period ending with October 1977 was 122,671 a decline of 2.1% from the same period a year earlier. The estimated birth rate was 14.6 per 1,000 population.

DEATHS were 3.4% higher in October than a year ago, however for the first ten months of 1977 the total was slightly below the same period last year.

NATURAL INCREASE in October amounted to 5,025 a decline of 6.7% from October 1976, and for the 12 month period ending in October 1977 natural increase added 61,997 persons to Ontario's population a decline of 2.8% from the same period ending October 1976. The decline in births more than offset the decline in deaths.

MARRIAGES celebrated in October showed an increase of 26.1% over October last year. However, for the first ten months of 1977 the total was less, and the marriage rate was 8.0 per 1,000 population as compared with 8.6 last year.

DIVORCES granted in October were more than 25% fewer than in October last year. During the 12 month period ending with October 1977 there were over 19,000 divorces - 12.5% more than last year.

Marriage and Divorce Rates per 1,000 Population

	October		12 month ended October			
	1977	1976	1974	1975	1976	1977
	Number		per 1000 population			
Marriages	8,041	6,375	9.0	9.0	8.6	8.0
Divorces	1,591	2,179	1.8	1.9	2.1	2.3

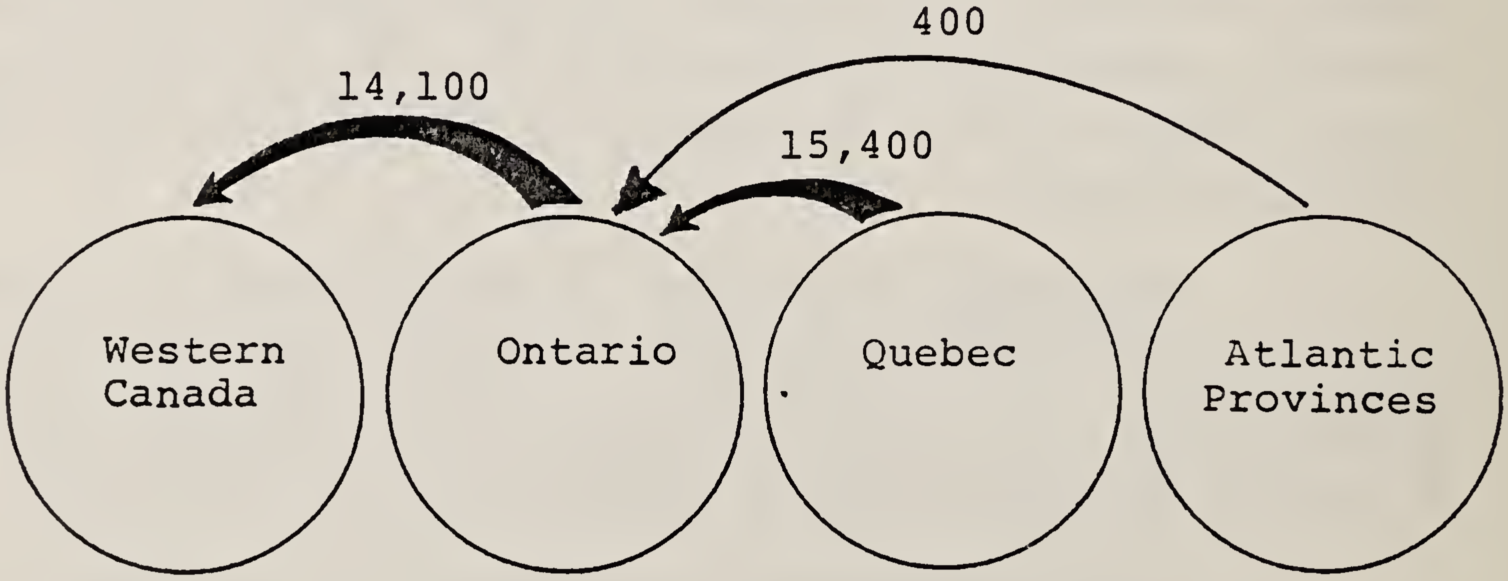
INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Change, Ontario
1977				
October	- 2,900	2,000	...	- 900
Jan. to October	- 14,100	15,400	400	1,700

... Negligible

10 months 1977



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

The estimated net exchange of migrants between Ontario and other regions of Canada during October indicates a net loss for Ontario of 900 persons, as a result of a net inflow of 2,150 immigrants, mainly from Quebec (2,000), and a net outflow of 2,900 to Western Canada.

The cumulative net migration for the ten months shows a net gain of 1,700 persons (over 15,000 gain from Quebec and 13,000 loss to Alberta and British Columbia).

REVIEW OF INTERPROVINCIAL MIGRATION TRENDS, 1961 - 1976

The impact of interprovincial migration as a component of population growth in Ontario, has shown a tendency to decline in recent years. In the 1961-66 period, it contributed 12% to total population growth, 20% during the next 5 year period, but in the 1971-76 period it actually reduced the growth by almost 7%. This loss was covered by the number of immigrants coming into Ontario from outside Canada. During the same periods, net foreign migration contributed 21%, 30% and almost 49% respectively to Ontario's population growth.

From 1961 to 1976 Ontario gained 197,500 people through the interprovincial exchange of population as a result of an inflow of over a million and a half to Ontario from other provinces and an outflow of 1.3 million migrants.

Most interprovincial migrants to Ontario came from the province of Quebec (35.5%), followed by British Columbia, Nova Scotia, Manitoba and Alberta. The largest proportion of migrants leaving Ontario during this period also went to Quebec (28.2%), followed by British Columbia (18.0%), Alberta, Nova Scotia and Manitoba.

On balance, the 197,500 aggregate into Ontario reflected a net gain of almost 166,000 from Quebec (or 84%), 77,000 from the Atlantic provinces (39%), 15% from Manitoba and Saskatchewan and a net loss of 78,000 to British Columbia and Alberta (-39%).

The average net flow into Ontario was 13,200 annually, but the migration pattern was quite volatile during this fifteen-year period. In 1961/62 net interprovincial migration yielded a little over 4,000 migrants, increasing each year to almost 25,000 in 1965/66. It declined over the next three years and then again increased rapidly to about 50,000 per annum by 1971. During the period 1971-76 the gain from interprovincial migration again started to decline reverting eventually to a net outflow of population, creating an aggregate net loss for the period of 38,600 people.

Ontario has generally attracted the largest proportion of migrants, an average of 26.8% of the total migrant pool in Canada. British Columbia followed with 17.6% and Alberta with 15.4%. However, in recent years (1974-76) the proportion of migrants moving to Ontario started to decline to a level of 20.0% of the total pool of migrants, whereas Alberta and British Columbia collectively increased their share to 58.0%. At the same time, the number of outmigrants from Ontario to the rest of Canada has shown a tendency to increase, and produced a net loss for Ontario during the 1973-76 period.

From the Canadian perspective, the interprovincial flow of migrants in Ontario recorded the largest population turnover in absolute terms, followed by British Columbia, Alberta and Quebec. In British Columbia and Alberta gross migration increased considerably during the last 15 years but in Quebec it declined.

INTERPROVINCIAL GROSS MIGRATION

In terms of gross migration (adding together in-and out-migration) the largest turnover of population took place between Ontario and Quebec, amounting to 912,500 people or 32.1% of the total Ontario gross migration of 2,839,400. This was followed by British Columbia, 14.7%; Nova Scotia, 11.3%; Alberta 10.9%; and Manitoba, 10.2%. The overall level of the turnover remained remarkably constant during the whole period averaging annually slightly less than 200,000.

The impact of interprovincial gross migration measured in relative terms per 1,000 population is not as great in Ontario as in other provinces, with the exception of Quebec where the impact is lowest, (around 16 per 1,000 population). The impact is strongest in Alberta at 71.4 per 1,000 population. Ontario records 25.8 per 1,000 population.

The impact of the changing migration trends is clearly illustrated in the population growth factors in specified cities or urban areas. The growth components for the regional municipality of Hamilton-Wentworth illustrate the effects of such changes in fertility and in migration on the growth of the city.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH: COMPONENTS OF POPULATION GROWTH, 1961-1976

Population, June 1, 1961		348,181
+ Natural Increase	25,970	
+ Net Migration	9,024	
Population, June 1, 1966		383,175
+ Natural Increase	18,765	
+ Net Migration	- 701	
Population, June 1, 1971		401,239
+ Natural Increase	13,673	
- Net Migration	-5,422	
Population, June 1, 1976		409,490

FIGURE 1

NET FLOW OF INTERPROVINCIAL MIGRANTS, ONTARIO, 1961-1976

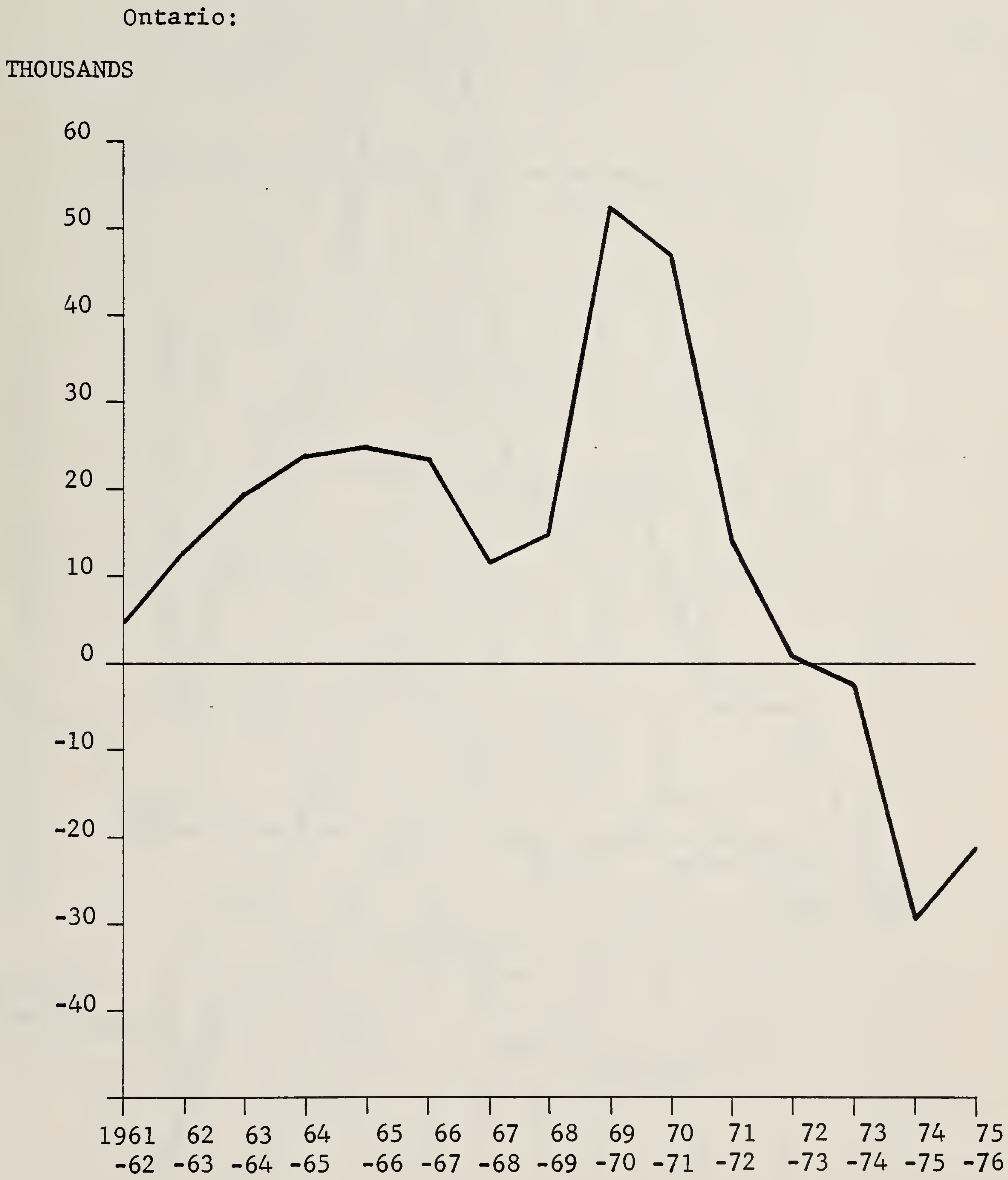


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FIGURE 2

NET FLOW OF MIGRANTS BETWEEN ONTARIO AND OTHER PROVINCES, 1961-1976

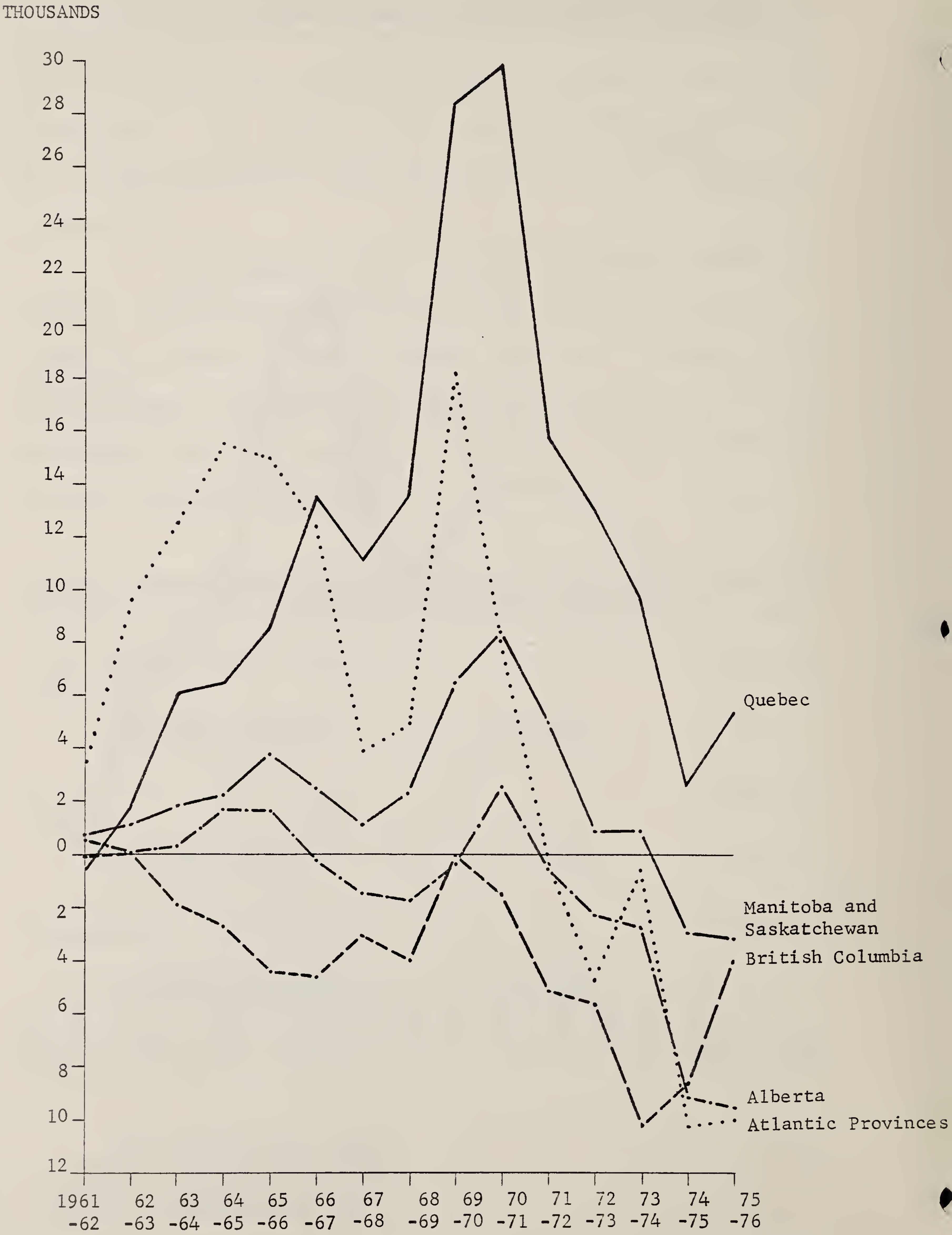

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TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

ITEM (1)	OCTOBER				12 MONTHS ENDING WITH OCTOBER						JANUARY-OCTOBER			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
	1977	1976	NUMBER	%	1977	1976	1977	1976	1975	1974	1977	1976	NUMBER	%
Live Births	9,979	10,175	-196	-1.9	122,671	125,281	14.6	15.1	15.0	15.2	103,002	104,978	-1,976	-1.9
Deaths	4,954	4,791	163	3.4	60,674	61,492	7.2	7.4	7.4	7.4	50,659	51,050	-391	-0.8
Natural Increase	5,025	5,384	-359	-6.7	61,997	63,789	7.4	7.7	7.6	7.8	52,343	53,928	-1,585	-2.9
Marriages	8,041	6,375	1,666	26.1	67,228	71,218	8.0	8.6	9.0	9.0	58,458	60,060	-1,602	-2.7
Divorces	1,591	2,179	-588	-27.0	19,483	17,312	2.3	2.1	1.9	1.8	16,385	14,684	+1,701	+11.6
Population Base	-	-	-	-	-	-	8,374	8,264	8,172	8,054	-	-	-	-

SOURCES: (1) Registrar General, Ministry of Consumer and Commercial Relations
(2) Statistics Canada: Census 1976 and Cat. No. 91-201

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TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR OCTOBER AND JANUARY - OCTOBER, 1977

BETWEEN ONTARIO AND	OCTOBER 1977			JANUARY - SEPTEMBER 1977			JANUARY - OCTOBER 1977		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE
Newfoundland	67	-71	-4	189	543	732	256	472	728
Prince Edward Island	-24	-48	-72	-152	-2	-154	-176	-50	-226
Nova Scotia	91	19	110	11	-64	-53	102	-45	57
New Brunswick	2	-70	-68	-92	-3	-95	-90	-73	-163
Quebec	1,124	907	2,031	5,465	7,936	13,401	6,589	8,843	15,432
Manitoba	-60	-298	-358	139	70	209	79	-228	-149
Saskatchewan	-54	-135	-189	-267	-145	-412	-321	-280	-601
Alberta	-384	-783	-1,167	-2,273	-4,544	-6,817	-2,657	-5,327	-7,984
British Columbia	-326	-821	-1,147	-1,080	-2,997	-4,077	-1,406	-3,818	-5,224
Yukon and N. W. Territories	-6	5	-1	-60	-98	-158	-66	-93	-159
Total Received	430	-1,295	-865	1,880	696	2,576	2,310	-599	1,711

*Preliminary Estimates

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts
Ontario Ministry of Transportation and Communications, Drivers Change of Address

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Ministry of Treasury, Economics
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TABLE 3

FLOW OF MIGRANTS BETWEEN ONTARIO AND OTHER PROVINCES, 1961 - 1976

(SUMMARY TABLE)

	1961-1966			1966-1971			1971-1976			1961-1976			
PROVINCE	FROM	TO	NET	FROM	TO	NET	FROM	TO	NET	FROM	TO	NET	GROSS
Newfoundland	24,257	11,636	12,571	38,027	21,576	16,451	31,713	35,572	-3,859	93,997	68,834	25,163	162,831
Prince Edward Island	8,239	5,274	2,965	8,184	6,795	1,389	6,478	9,111	-2,633	22,901	21,180	1,721	44,081
Nova Scotia	63,353	39,719	23,634	65,007	49,669	15,338	47,446	56,672	-9,226	175,806	146,060	29,746	321,866
New Brunswick	47,653	30,630	17,023	51,229	36,838	14,391	33,540	44,788	-11,248	132,422	112,256	20,166	244,678
Quebec	157,267	134,783	22,484	213,606	117,059	96,547	168,396	121,458	46,938	539,269	373,300	165,969	912,569
Manitoba	51,874	45,580	6,294	54,511	41,220	13,291	47,031	48,119	-1,088	153,416	134,919	18,497	288,335
Saskatchewan	21,442	17,833	3,609	25,110	17,587	7,523	18,904	17,248	1,656	65,456	52,668	12,788	118,124
Alberta	44,392	40,049	4,343	47,894	49,339	-1,445	51,059	75,536	-24,477	143,345	164,924	-21,579	308,269
British Columbia	44,941	54,262	-9,321	67,408	80,765	-13,357	68,534	102,178	-33,644	180,883	237,205	-56,322	418,088
Yukon and N.W.T.	4,755	2,992	1,763	3,272	2,690	582	2,951	3,929	-978	10,978	9,611	1,367	20,589
Total	468,173	382,808	85,365	574,248	423,538	150,710	476,052	514,611	-38,559	1,518,473	1,320,957	197,516	2,839,430
RELATIVE DISTRIBUTION													
Newfoundland	5.2	3.0	14.7	6.6	5.1	10.9	6.7	6.9	-10.0	6.2	5.2	12.7	5.7
Prince Edward Island	1.7	1.4	3.5	1.4	1.6	0.9	1.3	1.8	-6.8	1.5	1.6	0.9	1.6
Nova Scotia	13.5	10.4	27.7	11.3	11.7	10.2	10.0	11.0	-23.9	11.6	11.1	15.1	11.3
New Brunswick	10.2	8.0	20.0	8.9	8.7	9.5	7.0	8.7	-29.2	8.7	8.5	10.2	8.6
Quebec	33.6	35.2	26.3	37.2	27.6	64.2	35.4	23.6	121.7	35.5	28.2	84.0	32.1
Manitoba	11.1	11.9	7.4	9.5	9.7	8.8	9.9	9.3	-2.8	10.1	10.2	9.3	10.2
Saskatchewan	4.6	4.6	4.2	4.4	4.2	5.0	4.0	3.3	4.3	4.3	4.0	6.5	4.2
Alberta	9.5	10.5	5.1	8.4	11.7	-1.0	10.7	14.7	-63.5	9.5	12.5	-10.9	10.9
British Columbia	9.6	14.2	-10.9	11.7	19.1	-8.9	14.4	19.9	-87.3	11.9	18.0	-28.5	14.7
Yukon and N.W.T.	1.0	0.8	2.0	0.6	0.6	0.4	0.6	0.8	-2.5	0.7	0.7	0.7	0.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

SOURCE: Statistics Canada, International and Interprovincial Migration in Canada, 1961-1962 to 1975-1976

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TABLE 4

FLOW OF MIGRANTS BETWEEN ONTARIO AND OTHER PROVINCES, 1961-1976

PROVINCE	CENSUS YEAR	FROM	TO	NET
Atlantic Provinces	1961-1962	19,445	16,009	3,436
	1962-1963	25,005	15,393	9,612
	1963-1964	29,986	17,471	12,515
	1964-1965	33,658	18,100	15,558
	1965-1966	35,408	20,336	15,072
	1961-1966	143,502	87,309	56,193
	1966-1967	35,187	22,785	12,402
	1967-1968	28,817	24,867	3,950
	1968-1969	27,516	22,552	4,964
	1969-1970	38,344	20,191	18,153
	1970-1971	32,583	24,483	8,100
	1966-1971	162,447	114,878	47,569
	1971-1972	27,220	27,563	-343
	1972-1973	22,643	27,424	-4,781
	1973-1974	28,205	28,787	-582
	1974-1975	21,243	32,503	-11,260
	1975-1976	19,865	29,867	-10,002
	1971-1976	119,176	146,144	-26,968
	1961-1976	425,125	348,331	76,794
Quebec	1961-1962	27,554	28,082	-528
	1962-1963	28,983	27,149	1,839
	1963-1964	32,290	26,132	6,158
	1964-1965	32,642	26,141	6,501
	1965-1966	35,793	27,279	8,514
	1961-1966	157,267	134,783	22,484
	1966-1967	39,795	26,300	13,495
	1967-1968	35,618	24,484	11,134
	1968-1969	37,095	23,491	13,604
	1969-1970	50,007	21,562	28,445
	1970-1971	51,091	21,222	29,869
	1966-1971	213,606	117,059	96,547
	1971-1972	40,810	24,964	15,846
	1972-1973	36,490	23,389	13,101
	1973-1974	36,239	26,469	9,770
	1974-1975	27,877	25,129	2,748
	1975-1976	26,979	21,507	5,472
	1971-1976	168,395	121,458	46,937
	1961-1976	539,268	373,300	165,968
Manitoba and Saskatchewan	1961-1962	13,409	12,684	725
	1962-1963	13,810	12,663	1,147
	1963-1964	14,544	12,563	1,981
	1964-1965	14,801	12,550	2,251
	1965-1966	16,752	12,953	3,799
	1961-1966	73,316	63,413	9,903
	1966-1967	16,522	14,066	2,456
	1967-1968	14,612	13,510	1,102
	1968-1969	13,797	11,422	2,375
	1969-1970	16,878	10,353	6,525
	1970-1971	17,812	9,456	8,356
	1966-1971	79,621	58,807	20,814
	1971-1972	16,260	11,292	4,968
	1972-1973	13,358	12,551	807
	1973-1974	13,646	12,796	850
	1974-1975	12,210	15,141	-2,931
	1975-1976	10,461	13,586	-3,125
	1971-1976	65,935	65,366	569
	1961-1976	218,872	187,586	31,286
Alberta	1961-1962	8,004	7,485	519
	1962-1963	8,421	8,357	64
	1963-1964	8,586	8,191	395
	1964-1965	9,512	7,810	1,702
	1965-1966	9,869	8,206	1,663
	1961-1966	44,392	40,049	4,343
	1966-1967	9,620	9,909	-289
	1967-1968	8,215	9,703	-1,488
	1968-1969	8,062	9,925	-1,863
	1969-1970	10,704	11,039	-335
	1970-1971	11,293	8,763	2,530
	1966-1971	47,894	49,339	-1,445
Alberta continued	1971-1972	11,129	11,747	-618
	1972-1973	9,415	11,793	-2,378
	1973-1974	12,197	14,970	-2,773
	1974-1975	8,703	17,909	-9,206
	1975-1976	9,615	19,117	-9,502
	1971-1976	51,059	75,536	-24,477
	1961-1976	143,345	164,924	-21,579
British Columbia	1961-1962	8,346	8,416	-70
	1962-1963	8,569	8,561	8
	1963-1964	8,496	10,488	-1,992
	1964-1965	9,215	11,998	-2,783
	1965-1966	10,315	14,799	-4,484
	1961-1966	44,941	54,262	-9,321
	1966-1967	12,098	16,709	-4,611
	1967-1968	12,834	15,884	-3,050
	1968-1969	11,288	15,341	-4,053
	1969-1970	15,932	16,043	-111
	1970-1971	15,256	16,788	-1,532
	1966-1971	67,408	80,765	-13,357
	1971-1972	13,386	18,549	-5,163
	1972-1973	13,494	19,127	-5,633
	1973-1974	13,819	24,083	-10,264
	1974-1975	14,354	22,917	-8,563
	1975-1976	13,480	17,501	-4,021
	1971-1976	68,533	102,177	-33,644
	1961-1976	180,882	237,204	-56,322
Yukon and N.W.T.	1961-1962	744	655	89
	1962-1963	854	673	181
	1963-1964	1,026	579	447
	1964-1965	1,253	437	816
	1965-1966	878	648	230
	1961-1966	4,755	2,992	1,763
	1966-1967	720	583	137
	1967-1968	605	448	157
	1968-1969	919	661	258
	1969-1970	575	490	85
	1970-1971	453	508	-55
	1966-1971	3,272	2,690	582
	1971-1972	418	1,029	-611
	1972-1973	602	758	-156
	1973-1974	612	501	111
	1974-1975	577	899	-322
	1975-1976	741	742	-1
	1971-1976	2,950	3,929	-979
	1961-1976	10,977	9,611	1,366
Ontario	1961-1962	73,331	77,502	4,171
	1962-1963	72,796	85,647	12,851
	1963-1964	75,424	94,928	19,504
	1964-1965	77,035	101,081	24,046
	1965-1966	84,221	109,015	24,794
	1961-1966	382,807	468,173	85,366
	1966-1967	90,352	113,942	23,590
	1967-1968	88,896	100,701	11,805
	1968-1969	83,392	98,677	15,285
	1969-1970	79,677	132,439	52,762
	1970-1971	81,220	128,488	47,268
	1966-1971	423,537	574,247	150,710
	1971-1972	95,144	109,223	14,079
	1972-1973	95,043	96,003	960
	1973-1974	107,606	104,718	-2,888
	1974-1975	114,498	84,964	-29,534
	1975-1976	102,321	81,142	-21,179
	1971-1976	514,612	476,050	-38,562
	1961-1976	1,320,956	1,518,470	197,514

SOURCE: Statistics Canada, Cat. No. 91-208.

Social and Economic Data
Central Statistical Services
Ministry of Treasury, Economics
and Intergovernmental Affairs

November 1977

TABLE 5

CANADA: INTERPROVINCIAL MIGRATION, 1961 - 1976

PROVINCE	1961-1966			1966-1971			1971-1976			1961-1976		
	IN-MIGRANTS	OUT-MIGRANTS	NET	IN-MIGRANTS	OUT-MIGRANTS	NET	IN-MIGRANTS	OUT-MIGRANTS	NET	IN-MIGRANTS	OUT-MIGRANTS	NET
Newfoundland	32,759	47,972	-15,213	43,582	62,926	-19,344	61,375	63,232	-1,857	137,716	174,130	-36,414
Prince Edward Island	18,191	21,161	-2,970	18,783	21,545	-2,762	23,206	19,452	+3,754	60,180	62,158	-1,978
Nova Scotia	104,924	132,048	-27,124	115,862	132,257	-16,395	125,355	114,047	+11,308	346,141	378,352	-32,211
New Brunswick	88,591	114,270	-25,679	95,822	115,420	-19,598	109,878	93,079	+16,799	294,291	322,769	-28,478
Quebec	218,543	238,402	-19,859	195,124	317,859	-122,735	185,927	263,536	-77,609	599,594	819,797	-220,203
Ontario	468,174	382,806	+85,368	574,248	423,538	+150,710	476,052	514,612	-38,560	1,518,474	1,320,956	+197,518
Manitoba	132,645	156,116	-23,471	141,295	181,985	-40,690	145,198	172,025	-26,827	419,138	510,126	-90,988
Saskatchewan	113,749	155,843	-42,094	114,550	195,948	-81,398	126,671	167,423	-40,752	354,970	519,214	-164,244
Alberta	230,063	232,047	-1,984	289,452	257,446	+32,006	352,105	293,535	+58,570	871,620	783,028	+88,592
British Columbia	262,345	184,597	+77,748	356,868	241,903	+114,965	377,217	284,933	+92,284	996,430	711,433	+284,997
Yukon and N.W.T.	18,354	23,076	-4,722	26,325	21,084	+5,241	33,017	30,127	+2,890	77,696	74,287	+3,409
Canada	1,688,338	1,688,338	0	1,971,911	1,971,911	0	2,016,001	2,016,001	0	5,676,250	5,676,250	0
	RELATIVE DISTRIBUTION											
	PER CENT	PER CENT	DIFFERENCE	PER CENT	PER CENT	DIFFERENCE	PER CENT	PER CENT	DIFFERENCE	PER CENT	PER CENT	DIFFERENCE
Newfoundland	1.94	2.84	-0.90	2.21	3.19	-0.98	3.04	3.14	-0.10	2.43	3.07	-0.64
Prince Edward Island	1.08	1.25	-0.17	0.95	1.09	-0.14	1.15	0.96	-0.20	1.06	1.10	-0.04
Nova Scotia	6.20	7.82	-1.62	5.88	6.70	-0.82	6.22	5.66	+0.56	6.10	6.66	-0.56
New Brunswick	5.25	6.77	-1.52	4.86	5.85	-0.99	5.45	4.62	+0.83	5.18	5.69	-0.51
Quebec	12.94	14.12	-1.18	9.90	16.12	-6.22	9.22	13.07	-3.85	10.56	14.44	-3.88
Ontario	27.73	22.68	+5.05	29.12	21.48	+7.64	23.61	25.53	-1.92	26.75	23.27	+3.48
Manitoba	7.86	9.25	-1.39	7.17	9.23	-2.06	7.20	8.53	-1.33	7.38	8.99	-1.61
Saskatchewan	6.74	9.23	-2.49	5.80	9.94	-4.14	6.28	8.30	-2.02	6.25	9.15	-2.90
Alberta	13.63	13.74	-0.11	14.68	13.06	+1.62	17.47	14.56	+2.91	15.36	13.79	+1.57
British Columbia	15.54	10.93	+4.61	18.10	12.27	+5.83	18.71	14.14	+4.57	17.56	12.53	+5.03
Yukon and N.W.T.	1.09	1.37	-0.28	1.33	1.07	+0.26	1.64	1.49	+0.15	1.37	1.31	+0.06
Canada	100.00	100.00	0	100.00	100.00	0	100.00	100.00	0	100.00	100.00	0

SOURCE: Statistics Canada, International and Interprovincial Migration in Canada, 1961-1962 to 1975-1976

Social and Economic Data
Central Statistical Services
Ministry of Treasury, Economics
and Intergovernmental Affairs

December 1977

TABLE 6

CANADA: GROSS AND NET INTERPROVINCIAL MIGRATION, 1961 - 1976

PROVINCE	1961-1966		1966-1971		1971-1976		1961-1976	
	GROSS MIGRATION	NET MIGRATION	GROSS MIGRATION	NET MIGRATION	GROSS MIGRATION	NET MIGRATION	GROSS MIGRATION	NET MIGRATION
Newfoundland	80,731	-15,213	106,508	-19,344	124,607	-1,[illegible]57	311,846	-36,414
Prince Edward Island	39,352	-2,970	40,328	-2,762	42,658	+3,754	122,338	-1,978
Nova Scotia	236,972	-27,124	248,119	-16,395	239,402	+11,308	724,493	-32,211
New Brunswick	202,861	-25,679	211,242	-19,598	202,957	+16,799	617,060	-28,476
Quebec	456,945	-19,859	512,983	-122,735	449,463	-77,609	1,419,391	-220,203
Ontario	850,980	+85,368	997,786	+150,710	990,664	-38,560	2,839,430	+197,518
Manitoba	288,761	-23,471	323,280	-40,690	317,223	-26,827	929,264	-90,988
Saskatchewan	269,592	-42,094	310,498	-81,398	294,094	-40,752	874,184	-164,244
Alberta	462,110	-1,984	546,898	+32,006	645,640	+58,570	1,654,648	+88,592
British Columbia	446,942	+77,748	598,771	+114,965	662,150	+92,284	1,707,863	+284,997
Yukon and N.W.T.	41,430	-4,722	47,409	+5,241	63,144	+2,890	151,983	+3,409
Canada	3,376,676	0	3,943,822	0	4,032,002	0	11,352,500	0
AVERAGE ANNUAL RATES PER 1,000 POPULATION								
Newfoundland	33.6	-6.3	41.7	-7.6	46.2	-0.7	40.7	-4.8
Prince Edward Island	72.2	-5.4	72.7	-5.0	74.4	+6.6	73.5	-1.2
Nova Scotia	63.0	-7.2	64.4	-4.3	59.2	+2.8	62.6	-2.8
New Brunswick	66.6	-8.4	67.4	-6.3	62.3	+5.2	65.6	-3.0
Quebec	16.5	-0.7	17.2	-4.1	14.7	-2.5	15.9	-2.5
Ontario	25.9	+2.6	27.2	+4.1	24.8	-1.0	25.8	+1.8
Manitoba	60.5	-4.9	66.3	-8.3	63.3	-5.4	63.5	-6.2
Saskatchewan	57.6	-9.0	64.8	-17.0	65.4	-9.1	60.8	-11.4
Alberta	65.1	-0.3	70.8	+4.1	75.6	+6.9	71.4	+3.8
British Columbia	51.7	+9.0	58.6	+11.3	56.4	+7.9	55.8	+9.3
Yukon and N.W.T.	202.1	-23.0	201.7	+22.3	210.8	+9.6	204.9	+4.8
Canada	17.7	0	19.0	0	18.1	0	18.0	0

SOURCE: Statistics Canada, International and Interprovincial Migration in Canada, 1961-1962 to 1975-1976

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JANUARY 1978

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Interprovincial Migration Estimates

Language Distribution in Ontario, 1961-1976

Population Trends in the Regional Municipality of Sudbury

Ontario

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ESTIMATED POPULATION FOR ONTARIO

The estimated Ontario population on December 1, 1977 was 8,434,500.

VITAL STATISTICS, NOVEMBER 1977, ONTARIO

BIRTHS in November 1977 were well above November last year but for the eleven month period the total number was one per cent below the same period in the previous year.

DEATHS were 6.1% higher in November than in the previous year but for the eleven months of 1977 the number was 0.1% less.

NATURAL INCREASE showed an increase of over 10% compared with November 1976, but for the eleven months the natural increase at 58,139 was almost 2% less than in 1976.

MARRIAGES celebrated in November 1977 numbered over 5,000, a substantial increase over November 1976 but for the eleven months they were 2% below 1976.

DIVORCES continued to show an increase and over the 12 month period ending with November 1977 there were 19,705 divorces or an increase of 14% from the same period in 1976.

Marriage and Divorce Rates per 1,000 Population

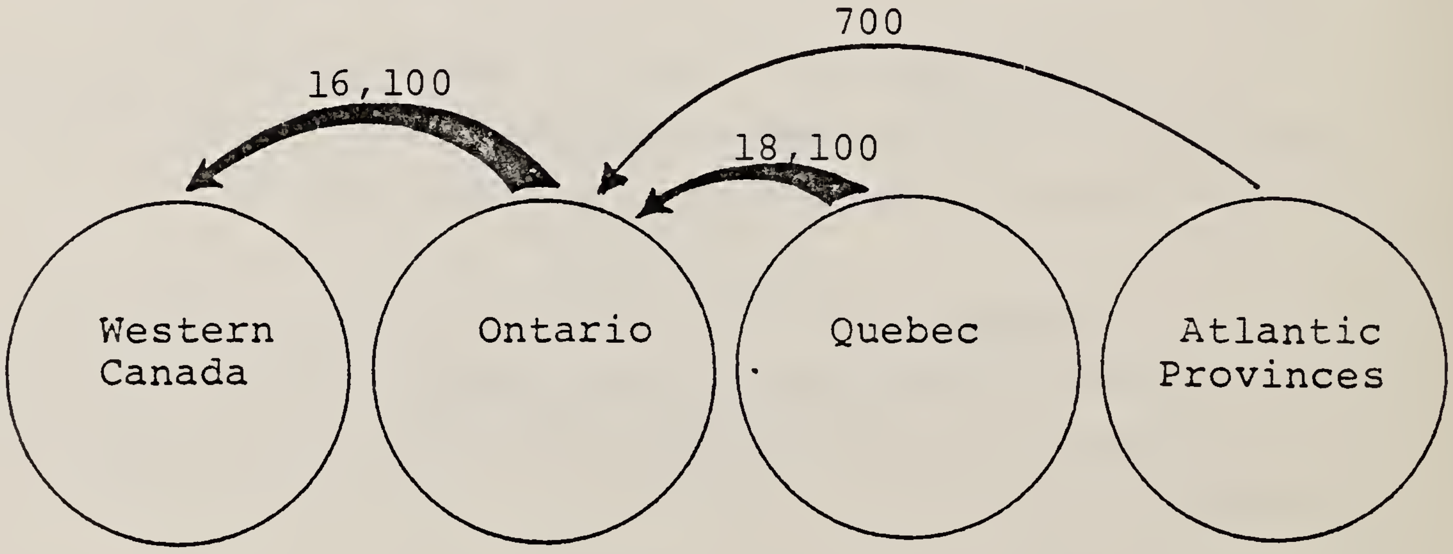
	November		12 month ended November			
	1977	1976	1974	1975	1976	1977
	Number		per 1,000 population			
Marriages	5,329	4,993	9.0	9.0	8.4	8.1
Divorces	1,431	1,209	1.8	1.9	2.1	2.4

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1977				
November	- 2,000	2,600	300	900
Jan. to Nov.	- 16,100	18,100	700	2,700

11 Months 1977



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

The estimated net exchange of migrants between Ontario and other regions of Canada during November indicates a net gain for Ontario of 900 persons, as a result of a net inflow of 2,900 migrants, mainly from Quebec (2,600) and a net outflow of 2,000 migrants to Western Canada, mainly Alberta and British Columbia.

The cumulative net migration for the eleven months shows a net gain of 2,700 persons. A net gain from Quebec of 18,100 and a net loss of 16,100 to Alberta and British Columbia.

LANGUAGE DISTRIBUTION IN ONTARIO 1961-1976[1]

There have been interesting changes in the language distribution of Ontario's population between 1961-1976.

Examination of Table 3 shows that in 1961 and 1971 the proportion of the English speaking population remained unchanged at 77.5% but by 1976 it had increased to 78.1%. During the same period the French speaking population declined steadily from 6.8% in 1961 to 5.6% in 1976, and between 1971 and 1976 the francophone population actually declined by almost 20,000. The anglophone population increased by 486,000 or 8.1%. That is a rate greater than the overall population growth in Ontario, and indicates a sizeable transfer from the non-official language groups to English.

---

[1] Language refers to first language spoken or Mother Tongue.

It appears that between 1971 and 1976 almost 152,000 people lost their original language and transferred their reporting of Mother Tongue from the non-official language groups, to English. Even the Native Indian population recorded a transfer of 7,300 (or 25.5%) from the native mother tongue. On an annual basis the losses of the unofficial language groups during the decade, 1961-71 amounted to 1.7%, whereas during the five-year period, 1971-76 they amounted to 3.4%.

The shift in mother tongue reported in Ontario has apparently taken place among the long established minority groups and reflects the pull of the dominant language. This is particularly true of the younger generations who attended Ontario schools and universities. The process of assimilation is enhanced in our predominantly urban society with the availability of the mass media and our educational systems.

In this same period, seven language groups increased in size. They are: Chinese, Japanese, Indo-Pakistani, Portugese, Spanish speaking groups, Yugoslavs and other smaller and unspecified groups. Their aggregate size more than doubled during the five-year period, 1971-76, from 243,100 to 497,200, as immigration of these groups was relatively high and new immigrants tend to report their mother tongue accurately for some period of time.

POPULATION TRENDS - REGIONAL MUNICIPALITY OF SUDBURY, 1961-1976

Population growth in the Sudbury area from 1961 to 1976 totalled 29,300 and was determined primarily by the level of net migration.

In the first five-year period there was a substantial out-migration exceeding 10,000 from the area but this was more than offset by natural increase with some resulting population growth.

During the second five-year period (1966-71) the migration trend reversed and 12.0 persons per 1,000 annually migrated to the Sudbury R.M. which, added to natural increase raised the population by 13.8%.

The third five year period (1971-76) again witnessed an outflow of 15.0 persons per 1,000 annually from the Municipality which this time exceeded the accrued natural increase and as a result the population declined by 0.8%. It is interesting to note that the natural increase component is showing a tendency to decline. Between the first and second period it declined sharply by 26% and between the second and third period by 3.5%.

COMPONENTS OF POPULATION CHANGE: REGIONAL MUNICIPALITY OF SUDBURY AND TERRITORIAL DISTRICT OF SUDBURY

	Reg. Mun. of Sudbury		Terr. Distr. of Sudbury	
Population, June 1, 1961		141,480		24,382
+Natural Increase	15,899		2,439	
+Net Migration	- 8,870		- 1,228	
Population, June 1, 1966		148,509		25,593
+Natural Increase	11,760		1,804	
+Net Migration	8,779		1,634	
Population, June 1, 1971		169,048		29,031
+Natural Increase	11,350		1,737	
+Net Migration	- 12,693		- 3,481	
Population, June 1, 1976		167,705		27,287

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

	NOVEMBER				12 MONTHS ENDING WITH NOVEMBER						JANUARY - November			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
ITEM (1)	1977	1976	NUMBER	%	1977	1976	1977	1976	1975	1974	1977	1976	NUMBER	%
Live Births	11,224	10,367	857	8.3	123,528	125,572	14.8	15.2	15.0	15.2	114,226	115,345	-1,119	-1.0
Deaths	5,428	5,117	311	6.1	60,985	61,541	7.3	7.5	7.4	7.4	56,087	56,167	-80	-0.1
Natural Increase	5,796	5,250	546	10.4	62,543	64,031	7.5	7.7	7.6	7.8	58,139	59,178	-1,039	-1.8
Marriages	5,329	4,993	336	6.7	67,564	69,589	8.1	8.4	9.0	9.0	63,787	65,053	-1,266	-2.0
Divorces	1,431	1,209	222	18.4	19,705	17,219	2.4	2.1	1.9	1.8	17,816	15,893	+1,923	+12.1
Population Base (2) (in thousands)	-	-	-	-	-	-	8,374	8,264	8,172	8,054	-	-	-	-

SOURCES: (1) Registrar General, Ministry of Consumer and Commercial Relations
(2) Statistics Canada: Census 1976

Social and Economic Data
Central Statistical Services
Ministry of Treasury, Economics
and Intergovernmental Affairs

January 1978

TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR NOVEMBER AND JANUARY - NOVEMBER 1977

	NOVEMBER 1977			JANUARY - OCTOBER 1977			JANUARY - NOVEMBER 1977		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
BETWEEN ONTARIO AND	CHILDREN	DRIVERS	CUMULATIVE	CHILDREN	DRIVERS	CUMULATIVE	CHILDREN	DRIVERS	CUMULATIVE
Newfoundland	59	-115	-56	256	472	728	315	357	672
Prince Edward Island	-9	38	29	-176	-50	-226	-185	-12	-197
Nova Scotia	19	360	379	102	-45	57	121	315	436
New Brunswick	-45	-24	-69	-90	-73	-163	-135	-97	-232
Quebec	965	1,658	2,623	6,589	8,843	15,432	7,554	10,501	18,055
Manitoba	-54	-94	-148	79	-228	-149	25	-322	-297
Saskatchewan	-43	-25	-68	-321	-280	-601	-364	-305	-669
Alberta	-356	-849	-1,205	-2,657	-5,327	-7,984	-3,013	-6,176	-9,189
British Columbia	-305	-109	-414	-1,406	-3,818	-5,224	-1,711	-3,927	-5,638
Yukon and N. W. Territories	4	-125	-121	-66	-93	-159	-62	-218	-280
Total Received	235	715	950	2,310	-599	1,711	2,545	116	2,661

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts.
Ontario Ministry of Transportation and Communications, Drivers Change of Address.

Social and Economic Data
Central Statistical Services
Ministry of Treasury, Economics
and Intergovernmental Affairs

January 1978

TABLE 3

ONTARIO: POPULATION DISTRIBUTION BY "MOTHER TONGUE", 1961, 1971 AND 1976

MOTHER TONGUE	1961	1971	1976	CHANGE						DISTRIBUTION		
				1961-1971		1971-1976		1961-1976		1961	1971	1976
				NUMBER	PER CENT	NUMBER	PER CENT	NUMBER	PER CENT	PER CENT	PER CENT	PER CENT
English	4,834,623	5,971,570	6,457,645	1,136,947	23.5	486,075	8.1	1,623,022	33.6	77.5	77.5	78.1
French	425,302	482,045	462,070	56,743	13.3	-19,975	-4.1	36,768	8.6	6.8	6.3	5.6
Baltic (1)	31,157	32,365	26,085	1,208	3.9	-6,280	-19.4	-5,072	-16.3	0.5	0.4	0.3
Celtic (2)	2,373	7,085	2,800	4,712	198.6	-4,285	-60.5	427	18.0	0.1	0.1	0.0
Chinese and Japanese	18,773	37,630	57,445	18,857	100.4	19,815	52.7	38,672	206.0	0.3	0.5	0.7
Czech and Slovak	23,980	24,840	19,430	860	3.6	-5,410	-21.8	-4,550	-19.0	0.4	0.3	0.2
Dutch and Flemish	98,096	85,430	66,330	-12,666	-12.9	-19,100	-22.4	-31,766	-32.4	1.6	1.1	0.8
German	183,789	184,885	154,625	1,096	0.6	-30,260	-16.4	-29,164	-15.9	2.9	2.4	1.9
Greek	19,094	55,440	48,210	36,346	190.4	-7,230	-13.0	29,116	152.5	0.3	0.7	0.6
Indian and Eskimo	26,754	28,585	21,285	1,831	6.8	-7,300	-25.5	-5,469	-20.4	0.4	0.4	0.3
Indo-Pakistani	N.A.	12,105	27,045	12,105	-	14,940	123.4	27,045	-	N.A.	0.2	0.3
Italian	207,937	344,285	309,815	136,348	65.6	-34,470	-10.0	101,878	49.0	3.3	4.5	3.8
Magyar (Hungarian)	42,241	46,370	37,980	4,129	9.8	-8,390	-18.1	-4,261	-10.1	0.7	0.6	0.5
Polish	83,214	73,985	57,050	-9,229	-11.1	-16,935	-22.9	-26,164	-31.4	1.3	1.0	0.7
Portuguese	N.A.	57,345	88,500	57,345	-	31,155	54.3	88,500	-	N.A.	0.7	1.1
Russian	9,393	7,295	6,020	-2,098	-22.4	-1,275	-17.5	-3,373	-35.9	0.2	0.1	0.1
Scandinavian	20,931	15,850	11,690	-5,081	-24.3	-4,160	-26.2	-9,241	-44.1	0.4	0.2	0.1
Spanish	N.A.	10,305	23,245	10,305	-	12,940	125.6	23,245	-	N.A.	0.1	0.3
Ukrainian	89,766	80,230	76,035	-9,536	-10.6	-4,195	-5.2	-13,731	-15.3	1.4	1.0	0.9
Yiddish	32,452	19,760	10,175	-12,692	-39.1	-9,585	-48.5	-22,277	-68.6	0.5	0.2	0.1
Yugoslav (3)	19,036	52,425	57,485	33,389	175.4	5,060	9.7	38,449	202.0	0.3	0.7	0.7
Other	67,181	73,275	77,420	6,094	9.1	4,145	5.7	10,239	15.2	1.1	1.0	0.9
Not stated	N.A.	N.A.	166,080	-	-	166,080	-	166,080	-	N.A.	N.A.	2.0
Total	6,236,092	7,703,105	8,264,465	1,467,013	23.5	561,360	7.3	2,028,373	32.5	100.0	100.0	100.0

(1) Estonian, Lettish and Lithuanian; (2) Gaelic, Welsh, etc.; (3) Croation, Serbian, etc.

N.A. - Not available

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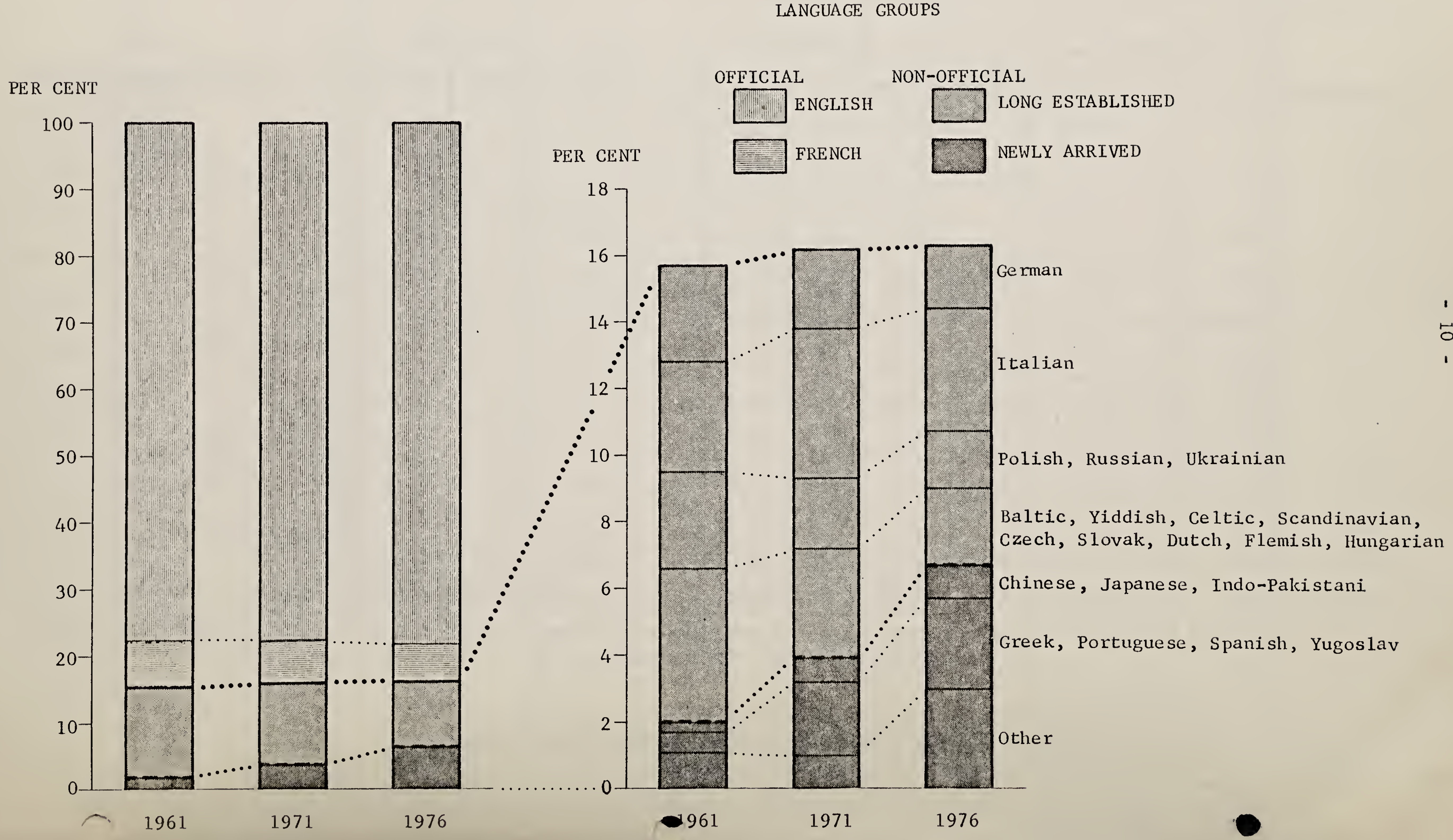
January 1978

FIGURE 1

ONTARIO: POPULATION DISTRIBUTION (RELATIVE) BY MOTHER TONGUE, 1961, 1971 AND 1976



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DEMOGRAPHIC BULLETIN

FEBRUARY 1978

VITAL STATISTICS ONTARIO
INTERPROVINCIAL MIGRATION ESTIMATES
COMPONENTS OF POPULATION GROWTH
OTTAWA - CARLETON, 1961-76
DEMOGRAPHIC TRENDS IN WESTERN EUROPE
WORLD-WIDE POPULATION TRENDS 1970-75

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DEMOGRAPHIC BULLETIN

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ESTIMATED POPULATION FOR ONTARIO

The estimated Ontario population on January 1, 1978 was 8,441,500.

VITAL STATISTICS, DECEMBER 1977, ONTARIO

BIRTHS in December 1977 were 8,250 live births, a decline of 11.3% from December 1976. The estimated birth rate was 14.6 per 1,000 population down from 15.1 last year.

DEATHS were 7.0% lower than a year ago. For the year the total was slightly lower than in 1976.

NATURAL INCREASE added 61,836 persons to Ontario's population in 1977 and declined 2.7% from 1976. The estimated natural increase rate per 1,000 population was 7.4, down from 7.7 in 1976.

MARRIAGES celebrated were 2.5% less in 1977 than in 1976 and totalled over 67,000. The marriage rate declined to 8.0 per 1,000 population as compared to 8.3 in 1976.

DIVORCES recorded were 18,769 in 1977 or an increase from 1976. However, the divorce rate remained constant at 2.2 in both years.

Marriage and Divorce Rates per 1,000 Population

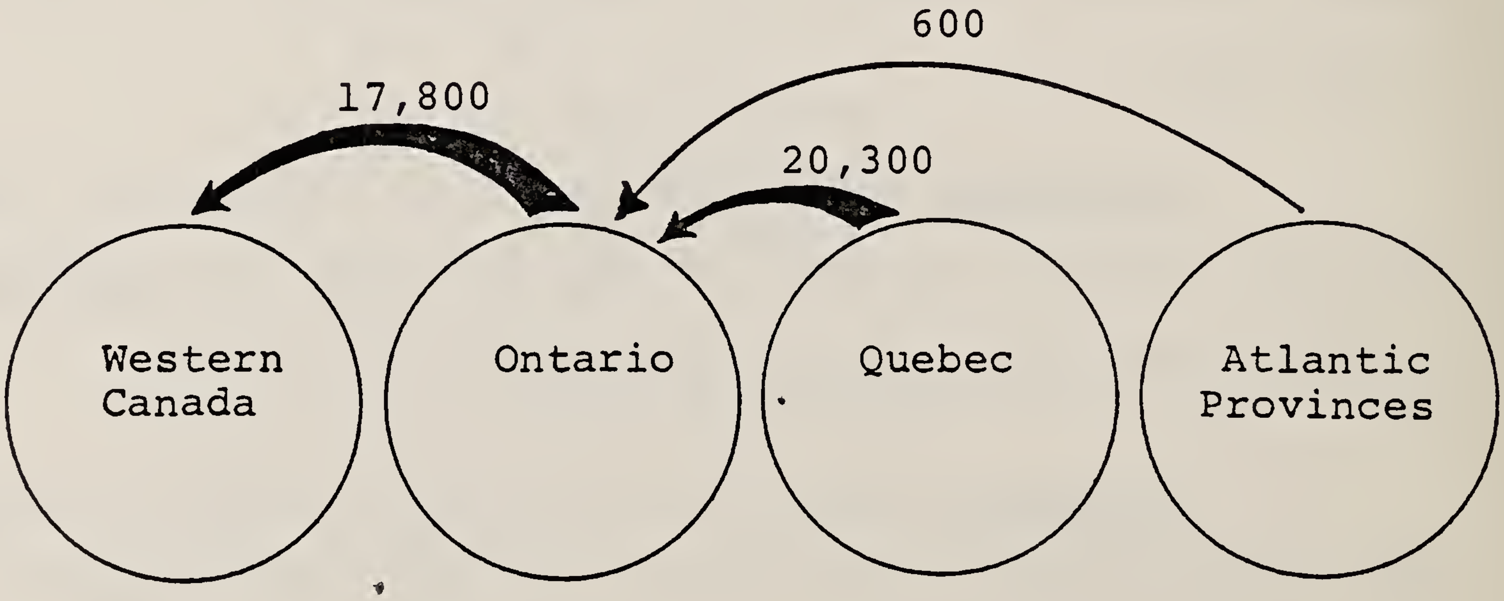
	December		12 month ended December			
	1977	1976	1974	1975	1976	1977
	Number		per 1,000 population			
Marriages	3,332	3,777	9.0	9.0	8.3	8.0
Divorces	953	1,889	1.8	1.9	2.2	2.2

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1977				
December	- 1,700	2,200	- 100	400
Jan. to Dec.	-17,800	20,300	600	3,100

12 Months 1977



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

The estimated net exchange of migrants between Ontario and other regions of Canada during December indicates a net gain for Ontario of 400 persons. There was a net inflow of 2,500 migrants, mainly from Quebec (2,200) and a net outflow of 2,100 migrants with Alberta receiving the lion's share.

The cumulative net migration for the 12 month period ending in December shows a net gain of 3,100 persons: a net gain from Quebec of 20,300 and a net loss of 16,100 to Alberta and British Columbia.

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON: COMPONENTS OF POPULATION GROWTH, 1961-1976.

During the 15-year period the Regional Municipality of Ottawa-Carleton increased its population by 162,123 or by 45.2% at an annual rate of 2,5%. However, the average annual growth rate declined from 2.9% in the first 5-year period (1961-66) to 1.9% in the most recent period, 1971-1976.

This decline in the rate of growth reflects the overall declining trend in the growth of the provincial population; but it is interesting to note that the population growth in the Regional Municipality of Ottawa-Carlton was always at least 0.5 percentage points higher than that of the provincial rate, as illustrated below:

Average Annual Population Growth Rates: Regional Municipality of Ottawa-Carleton and Province, 1961-66 to 1971-76

Period	R.M. Ottawa-Carleton %	Province %
1961-66	2.9	2.2
1966-71	2.7	2.1
1971-76	1.9	1.4

Of the two main growth components, Natural Increase is declining faster than Net Migration, and except for the period 1961-66 plays a secondary role to that of Net Migration on a per capita basis.

Regional Municipality of Ottawa-Carleton and the Province: Natural Increase and Net Migration rates per 1,000 population, 1961-66 to 1971-76

Period	Natural Increase		Net Migration	
	R.M. Ottawa-	Province	R.M. Ottawa-	Province
1961-66	15.9	14.8	12.8	7.1
1966-71	10.1	10.1	16.2	10.1
1971-76	7.7	8.2	11.9	5.9

Another interesting observation is that the ratio of the "Natural Increase" component in Ottawa-Carleton is steadily declining relative to that of the Province, indicating that Natural Increase is declining faster in the Regional Municipality than in the Province. On the other hand the ratio of the "Net Migration" component is behaving erratically with a strong tendency to increase, indicating a propensity for Ottawa-Carleton to attract an increasing share of provincial migrants. Net Migration plays a more important part in the Municipality's population growth than Natural Increase.

Ratio of the Growth Components, Regional Municipality Ottawa-Carleton To Province 1961-1971

Period	Natural Increase %	Net Migration %
1961-66	6.3	10.4
1966-71	6.0	9.7
1971-76	5.8	12.6

Regional Municipality of Ottawa-Carleton and the Province: Components of Population Growth, 1961 - 1976

Components	Regional Municipality Ottawa-Carleton		Province	
Population, June 1, 1961		358,410		6,236,092
+Natural Increase	30,603		487,780	
+Net Migration	24,679		236,998	
Population, June 1, 1966		413,692		6,960,870
+Natural Increase	22,331		371,839	
+Net Migration	35,908		370,397	
Population, June 1, 1971		471,931		7,703,106
+Natural Increase	19,037		327,737	
+Net Migration	29,565		233,622	
Population, June 1, 1976		520,533		8,264,465

DEMOGRAPHIC TRENDS IN WESTERN EUROPE

The prevailing demographic trends in some countries of Western Europe are causing concern among demographers and policy makers because the low rate of Natural Increase may create difficulties in future economic performance.

Mortality Rates have increased since the middle 1960's mainly as a result of the aging of the population, and in 1973 showed a great spread among the 14 West European countries. Rates below 10.0 per 1,000 were recorded in Italy, the Netherlands, Spain and Switzerland, while higher values were recorded in the United Kingdom, 12.0; Belgium 12.2 and Austria, 12.3. The comparative rates for Canada and Ontario in 1973 were 7.4 and 7.5 per 1,000 respectively. The rise in mortality rates is largely due to aging populations. This has not been offset in recent years by increasing life expectancy as the increments to life expectancy have been diminishing. For example, in Sweden life expectancy at birth increased between 1931 and 1950 by 5.3 years for boys by 5.5 years for girls but between 1956 and 1970 these increments were reduced to 0.6 years for boys and 1.9 for girls.

By comparison, mortality rates in Canada have fallen from 10.0 per 1,000 in 1941 to the present level of 7.4. In Ontario life expectancy increased by 5.6 years for boys and 8.0 years for girls between 1931-1951, and between 1956 and 1971 life expectancy improved by 1.8 years for boys and 3.2 for girls. Increments in life expectancy in Ontario have dimished but not to the same extent as in Sweden.

Birth Rates show a wider spread among the West European countries than death rates. In 1973 the lowest rate of 10.3 per 1,000 was recorded in West Germany and the highest of 22.4 in Ireland. Five countries had higher birth rates than Ontario (15.6) including Ireland 22.4, Portugal 20.1, Spain 19.9, France 16.5 and Italy 16.0.

In terms of General Fertility Rate (a more efficient measure of fertility than crude birth rates since it relates directly to the number of women in the reproductive years, (15-49), six countries recorded higher rates than Ontario's 62.1. Ireland was 105.4; Portugal, 81.2; Spain, 81.2; France, 72.2; Norway, 70.4 and Italy, 65.4. Ireland's rate is very high in comparison with all other European countries, and was equal to that recorded in Ontario in 1962.

Since fertility behaviour is related to the concept of the Gross Reproductive Rate it is useful to look at Western Europe compared with our own G.R.R. in Ontario. In addition to the population of Ireland which shows an impressive G.R.R. of 1.850, only five West European populations reproduce themselves: France, Italy, Norway, Spain and Portugal. In Ontario in 1960, the highest post-war G.R.R. level was recorded at 1.841. The other eight European countries reviewed fell below reproductive capability. West Germany reached the record low level of 0.750 and Switzerland was the second lowest at 0.878. It should be noted that immigrant labour accounted for a large number of live births in West Germany (13.0%) and in Switzerland (30.0%). The same holds true for other countries with large immigrant populations including France, Belgium and Sweden. It follows that the actual fertility and consequently the reproductive capability of the resident (autochthon) population of these countries is actually much lower than that shown in Table 4.

Conversely, the reproductive capability of the two emigration prone countries, Spain and Portugal, is much higher than that shown in Table 4 since these countries between them, lost 3,330,000 people between 1950 and 1970.

Fertility and mortality trends determine the value of Natural Increase in each of the populations and in 1973 West Germany recorded a natural decrease rate of 1.5 per 1,000 population. Austria followed closely with a minimal positive rate of 0.7 per 1,000 population. Three countries in Western Europe recorded higher natural increase rates in 1973 than Ontario's 8.1: Spain, 11.3; Ireland, 11.1; and Portugal, 9.0.

Advance information for 1975 indicates that in West Germany mortality rates continued to exceed fertility rates to bring the rate of natural decrease to 2.4 per 1,000. Consequently, the population of West Germany suffered a net loss of about 150,000 during 1975. During the same year Austria also recorded a natural decrease of 0.4 per 1,000 population.

WORLD-WIDE POPULATION TRENDS, 1970-1975

Table 4 shows world-wide population trends by broad geographic area during the period 1970-1975. In terms of natural increase almost all areas experienced some declines, ranging from a modest rate of 4.3% in Latin America to a rapid decline of 42.9% in Western Europe. There are two exceptions to this overall trend, namely in Eastern Europe where natural increase improved by 3.6% due to the pro-natalist policies of some governments, and in Africa owing to a significant decline of death rates while birth rates remained stable.

The tabulation also shows a clear dichotomy between the less developed and fully developed regions. The former show values of annual growth rates in excess of 2.0%, while the latter show values well below 1.0%. In between these two groups we find East Asia which recorded a 1.32% annual growth rate. There are indications that this region is shifting towards lower annual rates due to the vigorous anti-natalist policies of China and Japan.

The last column in Table 4 indicates the approximate doubling of the 1975 populations assuming that the present trends will continue. Six regions, with a combined population of 1,952 million in 1975 and comprising almost 50.0% of the world population will double in population in less than 35 years. In the industrially advanced regions the doubling will occur in 80 years in North America and East Europe, and in 120 years in Western Europe. However, since birth rates are declining faster than death rates and some countries have recently actually recorded natural decreases, it seems likely that the population in Western Europe may never double, since population growth may grind to a halt in the not too distant future.

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

ITEM	DECEMBER				12 MONTHS ENDING WITH DECEMBER 1977						JANUARY - DECEMBER			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
	1977	1976	NUMBER	%	1977	1976	1977	1976	1975	1974	1977	1976	NUMBER	%
Live Births	8,250	9,302	-1,052	-11.3	122,476	124,647	14.6	15.1	15.0	15.2	122,476	124,647	-2,171	-1.7
Deaths	4,553	4,898	-345	-7.0	60,640	61,065	7.2	7.4	7.4	7.4	60,640	61,065	-425	-0.7
Natural Increase	3,697	4,404	-707	-16.1	61,836	63,582	7.4	7.7	7.6	7.8	61,836	63,582	-1,746	-2.7
Marriages	3,332	3,777	-445	-11.8	67,119	68,830	8.0	8.3	9.0	9.0	67,119	68,830	-1,711	-2.5
Divorces	953	1,889	-936	-49.6	18,769	17,782	2.2	2.2	1.9	1.8	18,769	17,782	+987	+5.6
Population Base (in thousands)	-	-	-	-	-	-	8,374	8,264	8,172	8,054	-	-	-	-

SOURCES: Registrar General, Ministry of Consumer and Commercial Relations
Statistics Canada: Census 1976

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February 1978

TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR DECEMBER AND JANUARY-DECEMBER, 1977

	DECEMBER 1977			JANUARY - NOVEMBER 1977			JANUARY - DECEMBER 1977		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
BETWEEN ONTARIO AND	CHILDREN	DRIVERS	CUMULATIVE	CHILDREN	DRIVERS	CUMULATIVE	CHILDREN	DRIVERS	CUMULATIVE
Newfoundland	-89	-114	-203	315	357	672	226	243	469
Prince Edward Island	5	-33	-28	-185	-12	-197	-180	-45	-225
Nova Scotia	-44	361	317	121	315	436	77	676	753
New Brunswick	-36	-141	-177	-135	-97	-232	-171	-238	-409
Quebec	776	1,433	2,209	7,554	10,501	18,055	8,330	11,934	20,264
Manitoba	-66	-94	-160	25	-322	-297	-41	-416	-457
Saskatchewan	-14	-93	-107	-364	-305	-669	-378	-398	-776
Alberta	-222	-870	-1,092	-3,013	-6,176	-9,189	-3,235	-7,046	-10,281
British Columbia	-113	-110	-223	-1,711	-3,927	-5,638	-1,824	-4,037	-5,861
Yukon and N. W. Territories	15	-125	-110	-62	-218	-280	-47	-343	-390
Total Received	212	214	426	2,545	116	2,661	2,757	330	3,087

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts.
Ontario Ministry of Transportation and Communications, Drivers Change of Address.

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TABLE 3

DEMOGRAPHIC TRENDS IN WESTERN EUROPE, 1973 (WITH COMPARISONS TO UNITED STATES, CANADA AND ONTARIO)

COUNTRY	BIRTH[1] RATE	DEATH[1] RATE	NATURAL[1] INCREASE	GENERAL[2] FERTILITY RATE	GROSS[3] REPRODUCTION RATE	EXPECTATION OF LIFE AT BIRTH	
						MALE	FEMALE
Austria	13.0	12.3	0.7	57.6	0.943	67.4	74.7
Belgium	13.4	12.2	1.2	56.9	0.965	67.79	74.21
Denmark	14.3	10.1	4.2	61.6	0.934	70.8	76.3
England and Wales	13.7	12.0	1.7	61.9	0.979	68.9	75.1
France	16.5	10.7	5.8	72.2	1.200	68.6	76.4
Ireland	22.4	11.3	11.1	105.4	1.850	68.58	72.85
Italy	16.0	9.9	6.1	65.4	1.110	68.97	74.88
The Netherlands	14.5	8.2	6.3	60.8	0.931	71.2	77.2
Norway	15.5	10.1	5.4	70.4	1.078	71.32	77.60
Portugal	20.1	11.1	9.0	81.2	-	65.29	72.03
Spain	19.9	8.6	11.3	81.2	1.400	69.69	74.96
Sweden	13.5	10.5	3.0	59.7	0.913	72.11	77.51
Switzerland	13.6	8.9	4.7	56.4	0.878	70.29	76.22
West Germany	10.3	11.8	-1.5	43.9	0.750	67.61	74.09
United States	14.9	9.4	5.5	60.9	0.924	68.2	75.9
Canada	15.5	7.4	8.1	61.5	0.937	69.34	76.36
Ontario	15.6	7.5	8.1	62.1	0.952	69.55	76.76

[1] Per 1,000 population

[2] Per 1,000 women aged 15-49

[3] Average number of live daughters that would be born to a hypothetical female birth cohort if subjected to current age- specific fertility rates, and assuming that mortality before age 50 is zero.

SOURCE: United Nations Demographic Year Book, 1975
Statistics Canada, Vital Statistics, Preliminary Annual Report, 1974
Statistics Canada, Life Tables

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TABLE 4

WORLD: POPULATION AND NATURAL INCREASE BY GEOGRAPHIC REGIONS, 1970 AND 1975

REGION	YEAR	BIRTH[1] RATE	DEATH[1] RATE	NATURAL[1] INCREASE RATE	POPULATION (MILLIONS)	ANNUAL[2] RATE OF GROWTH	RANK[3]	APPROXIMATE[4] DOUBLING OF POPULATION WILL OCCUR IN...YEARS
America, North	1970 1975	18.2 14.8	9.2 8.8	9.0 6.0	226 236	0.87	8	80
America, Latin	1970 1975	37.4 35.5	9.7 9.0	27.7 26.5	276 317	2.81	1	25
Europe, West	1970 1975	16.2 13.7	10.6 10.5	5.6 3.2	333 343	0.59	10	120
Europe, East	1970 1975	17.4 18.0	9.1 9.4	8.3 8.6	368 384	0.86	9	80
Asia, East	1970 1975	30.6 19.6	12.1 7.8	18.5 11.8	941 1,005	1.32	7	55
Asia, South-East	1970 1975	42.1 38.6	15.5 15.3	26.6 23.3	278 317	2.67	2	26
Asia, South	1970 1975	40.8 37.1	15.9 15.8	24.9 21.3	709 791	2.21	6	32
Middle-East	1970 1975	44.3 41.7	15.5 14.5	28.8 27.2	136 155	2.65	3	26
Africa	1970 1975	47.1 47.1	21.0 20.0	26.1 27.1	312 355	2.62	4	27
Oceania	1970 1975	20.9 17.4	9.0 8.1	11.9 9.3	15 17	2.53	5	28
World	1970 1975	32.2 28.3	13.2 11.9	19.0 16.4	3,594 3,920	1.75	-	40

1 Per 1,000 population
2 Per cent
3 From fastest to lowest growth rates
4 Assuming that present trends will continue in the future

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MARCH 1978

VITAL STATISTICS ONTARIO
INTERPROVINCIAL MIGRATION ESTIMATES
MARRIAGE AND DIVORCE TRENDS, 1951-1975

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ESTIMATED POPULATION FOR ONTARIO

The estimated population in Ontario on February 1, 1978 was 8,448,500.

VITAL STATISTICS, JANUARY 1978, ONTARIO

BIRTHS in January 1978 were 10,344 live births, a 5.6% increase over January last year. For the 12 month period ending with January 1978 the increase was just slightly over the same period a year earlier.

DEATHS in January 1978 totalled 7,271, an increase of 37% over January 1977. This enormous increase may be attributed to purely seasonal factors and should not be construed as an indication of a trend. For the year the total was 3 per cent above that in 1977.

NATURAL INCREASE. The abnormal number of deaths in January meant that natural increase (the excess of births over deaths) declined 31.6% from January 1977. For the 12 month period ending in January 1978 natural increase declined by 2.5% in comparison to the same period a year ago.

MARRIAGES were up 10.3% over January last year, but for the 12 month period showed a decline of 1,914 marriages from the same period a year earlier.

DIVORCES granted in January 1978 were almost double the number in January 1977. This large increase does not indicate a trend for 1978 since it may be due to purely administrative procedures. The number of divorces shown in December 1977 was abnormally low at 953, and the two months average (December 1977 and January 1978) amounts to 1,261 which is slightly less than the monthly average of 1,564 in 1977.

Marriage and Divorce Rates per 1,000 Population

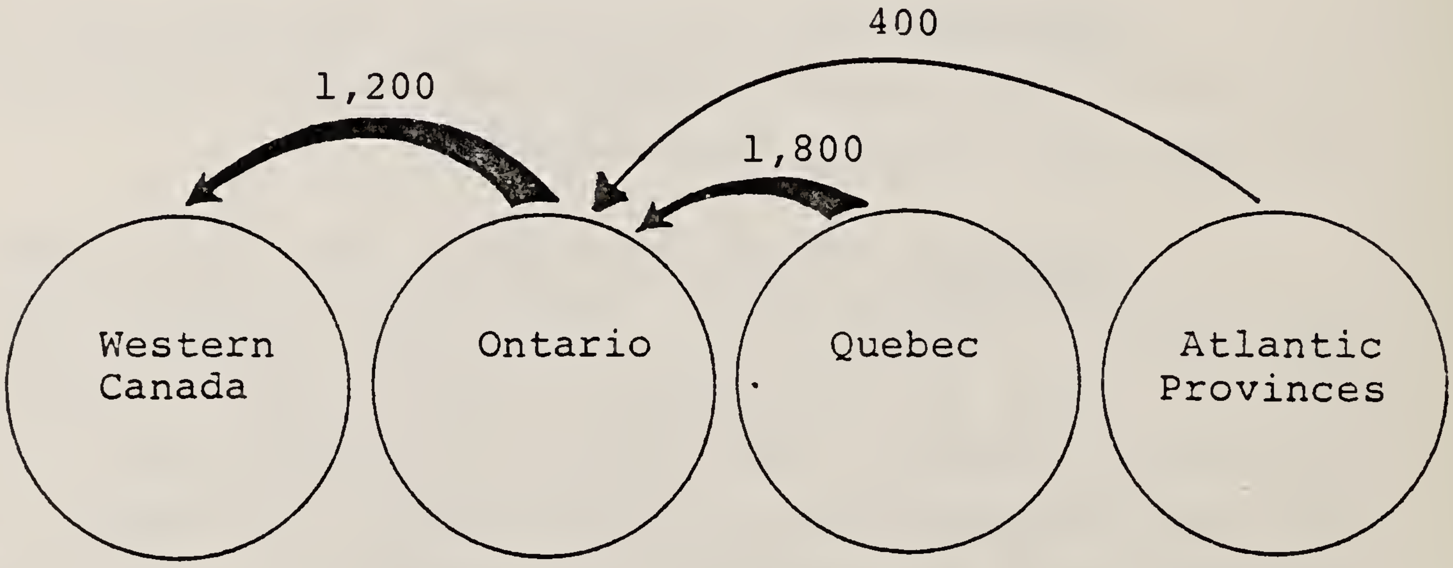
	January		12 month ended January				
	1978	1977	1978	1977	1976	1975	1974
	Number		per 1,000 population				
Marriages	3,862	3,500	8.0	8.4	8.3	9.0	9.0
Divorces	1,569	820	2.3	2.2	2.2	1.9	1.8

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1978 January	- 1,200	1,800	400	1,000

1 Month 1978



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

The estimated net exchange of migrants between Ontario and other regions of Canada during January 1978 indicates a net gain for Ontario of 1,000 persons. There was a net inflow of 2,200 migrants, mainly from Quebec (1,800) and a net outflow of 1,200 migrants to Western Canada, (mainly Alberta and British Columbia).

MARRIAGE AND DIVORCE TRENDS, 1951-1975

Between 1951 and 1972, there were two distinct periods - one of growth and one of decline in the marriage rate in Ontario which follows closely the trend in the rest of Canada.

From 1951 to 1963, the number of marriages remained fairly stable but as the population aged 15 years and over increased rapidly, the marriage rate in the Province declined steadily from 13.5 per 1000 population 15 years and over to 10.4. The dearth of births during World War II is reflected in the relatively low proportion of young men and women in the prime marrying ages in 1961 to 1963 and also in the number of marriages. The second period which occurred from 1963 to 1972 showed a marked increase in the number of marriages as the baby boom generation reached the prime marrying ages - the age group 20 to 24. The proportion of young men and women in this age group rose from 6.3 per cent in 1963 to 8.9 per cent in 1972, and has held at that level to the present time.

Despite this high proportion of the population in the young marrying ages, the marriage rate has been declining over the past four or five years. This is the result of a combination of social and economic factors. Current preliminary information shows no change in this downward trend.

The number of divorces granted in Ontario has risen steadily from a total of 2,109 in 1951 to 5,036 in 1968. This represents an increase in the divorce rate from 2.0 divorces in every 1,000 husband-wife families to 3.1. The most dramatic increase in the number of divorces granted occurred between 1968 and 1969 when divorces more than doubled from 5,036 to 11,845. The sharp increase in the dissolution of marriage was the result of the 1968 changes in federal divorce legislation. The new divorce law extended the grounds for divorce petitions to include such causes as rape, homosexual act, physical and mental cruelty, desertion, addiction to drugs, death sentence, sentence of 10 years or more and others. Prior to the new legislation, adultery was the only ground for a divorce.

Since 1969, the incidence of divorces in Ontario has increased much faster than husband-wife family formation. In 1975, there were 9.5 divorces in every 1000 husband-wife families compared with only 7.1 in 1969. While Ontario's divorce rate has been historically higher than the national average, it has fallen below the national rate in 1974 and 1975.

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

	JANUARY				12 MONTHS ENDING WITH JANUARY 1978						JANUARY - DECEMBER			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
ITEM[1]	1978	1977	NUMBER	%	1978	1977	1978	1977	1976	1975	1977	1976	NUMBER	%
Live Births	10,344	9,800	544	5.6	123,020	122,665	14.7	14.8	15.1	15.0	122,476	124,647	-2,171	-1.7
Deaths	7,271	5,309	1,962	37.0	62,602	60,697	7.5	7.3	7.4	7.4	60,640	61,065	-425	-0.7
Natural Increase	3,073	4,491	-1,418	-31.6	60,418	61,988	7.2	7.5	7.7	7.6	61,836	63,582	-1,746	-2.7
Marriages	3,862	3,500	362	10.3	67,481	69,395	8.0	8.4	8.3	9.0	67,119	68,830	-1,711	-2.5
Divorces	1,569	820	749	91.3	19,518	17,763	2.3	2.2	2.2	1.9	18,769	17,782	+987	+5.6
Population Base[2] (in thousands)	-	-	-	-	-	-	8,384	8,278	8,237	8,105	-	-	-	-

SOURCE: 1 Registrar General, Ministry of Consumer and Commercial Relations
2 Statistics Canada: Cat. No. 91-001 as of July 1.

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TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR JANUARY 1978, DECEMBER 1977 AND JANUARY-DECEMBER, 1977

	JANUARY 1978			DECEMBER 1977			JANUARY - DECEMBER 1977		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
BETWEEN ONTARIO AND	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS	CUMULATIVE	CHILDREN	DRIVERS	CUMULATIVE
Newfoundland	164	6	170	-89	-114	-203	226	243	469
Prince Edward Island	-11	14	3	5	-33	-28	-180	-45	-225
Nova Scotia	31	124	155	-44	361	317	77	676	753
New Brunswick	40	35	75	-36	-141	-177	-171	-238	-409
Quebec	504	1,256	1,760	776	1,433	2,209	8,330	11,934	20,264
Manitoba	4	-6	-2	-66	-94	-160	-41	-416	-457
Saskatchewan	7	23	30	-14	-93	-107	-378	-398	-776
Alberta	-311	-539	-850	-222	-870	-1,092	-3,235	-7,046	-10,281
British Columbia	-72	-332	-404	-113	-110	-223	-1,824	-4,037	-5,861
Yukon and N. W. Territories	7	20	27	15	-125	-110	-47	-343	-390
Total Received	363	601	964	212	214	426	2,757	330	3,087

*Preliminary estimates

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts
Ontario Ministry of Transportation and Communications, Drivers Change of Address

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TABLE 3

NUMBER OF HUSBAND-WIFE FAMILIES, DIVORCES AND RATES[1], CANADA, ONTARIO, AND CANADA EXCLUDING ONTARIO, 1951-1975

	CANADA			ONTARIO			CANADA EXCLUDING ONTARIO		
YEAR	TOTAL HUSBAND-WIFE FAMILIES	NUMBER OF DIVORCES	RATE PER 1,000[1]	TOTAL HUSBAND-WIFE FAMILIES	NUMBER OF DIVORCES	RATE PER 1,000[1]	TOTAL HUSBAND-WIFE FAMILIES	NUMBER OF DIVORCES	RATE PER 1,000[1]
1951	2,961,685	5,270	1.8	1,053,408	2,109	2.0	1,908,277	3,161	1.7
1952	3,045,000	5,650	1.9	1,085,900	2,218	2.0	1,959,100	3,432	1.8
1953	3,120,850	6,160	2.0	1,113,000	2,824	2.5	2,007,850	3,336	1.7
1954	3,225,320	5,923	1.8	1,157,760	2,469	2.1	2,067,560	3,454	1.7
1955	3,369,860	6,053	1.8	1,233,490	2,531	2.1	2,136,370	3,522	1.6
1956	3,393,061	6,002	1.8	1,234,229	2,478	2.0	2,158,832	3,524	1.6
1957	3,481,500	6,638	1.9	1,286,300	2,873	2.2	2,195,200	3,815	1.7
1958	3,601,200	6,279	1.7	1,327,700	2,776	2.1	2,273,500	3,503	1.5
1959	3,701,300	6,543	1.8	1,355,700	2,915	2.1	2,345,600	3,628	1.5
1960	3,779,600	6,980	1.8	1,371,100	2,965	2.2	2,408,500	4,015	1.7
1961	3,800,026	6,563	1.7	1,392,346	2,739	2.0	2,407,680	3,824	1.6
1962	3,876,100	6,768	1.7	1,429,900	3,140	2.2	2,446,200	3,628	1.5
1963	3,958,100	7,686	1.9	1,457,600	3,237	2.2	2,500,500	4,449	1.8
1964	4,022,800	8,623	2.1	1,481,000	3,508	2.4	2,541,800	5,115	2.0
1965	4,044,200	8,974	2.2	1,505,100	4,087	2.7	2,539,100	4,887	1.9
1966	4,154,381	10,239	2.5	1,529,638	4,101	2.7	2,624,743	6,138	2.3
1967	4,196,100	11,165	2.7	1,560,700	4,350	2.8	2,635,400	6,815	2.6
1968	4,293,600	11,343	2.6	1,626,900	5,036	3.1	2,666,700	6,307	2.4
1969	4,397,000	26,093	5.9	1,664,900	11,845	7.1	2,732,100	14,248	5.2
1970	4,480,600	29,775	6.6	1,668,200	12,451	7.5	2,812,400	17,324	6.2
1971	4,605,485	29,635	6.4	1,718,580	12,211	7.1	2,886,905	17,474	6.1
1972	4,662,600	32,389	6.9	1,756,900	13,190	7.5	2,905,700	19,199	6.6
1973	4,709,200	36,704	7.8	1,760,100	13,781	7.8	2,949,100	22,923	7.8
1974	4,824,800	45,019	9.3	1,831,400	15,277	8.3	2,993,400	29,742	9.9
1975	4,927,300	50,611	10.3	1,843,900	17,485	9.5	3,083,400	33,126	10.7

1 Number of divorces per 1,000 husband-wife families

SOURCE: Statistics Canada, Estimates of Families in Canada, Intercensal Years 1952-1975
Statistics Canada, Census of Canada, Families 1951, 1956, 1961, 1966 and 1971
Statistics Canada, Vital Statistics, Volume II, Marriages and Divorces, 1975

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Central Statistical Services
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March 1978

TABLE 4

NUMBER OF MARRIAGES AND MARRIAGE RATES PER 1,000 POPULATION 15 YEARS AND OVER, CANADA, ONTARIO AND CANADA EXCLUDING ONTARIO, 1951-1975

YEAR	CANADA			ONTARIO			CANADA EXCLUDING ONTARIO		
	POPULATION 15 YEARS AND OVER	NUMBER OF MARRIAGES	RATE PER 1,000 POPULATION	POPULATION 15 YEARS AND OVER	NUMBER OF MARRIAGES	RATE PER 1,000 POPULATION	POPULATION 15 YEARS AND OVER	NUMBER OF MARRIAGES	RATE PER 1,000 POPULATION
1951	9,758,712	128,408	13.2	3,358,228	45,198	13.5	6,400,484	83,210	13.0
1952	10,006,300	128,474	12.8	3,458,900	45,251	13.1	6,547,400	83,223	12.7
1953	10,216,900	131,034	12.8	3,542,000	45,954	13.0	6,674,900	85,080	12.7
1954	10,452,300	128,629	12.3	3,636,800	45,028	12.4	6,815,500	83,601	12.3
1955	10,659,100	128,029	12.0	3,714,100	44,634	12.0	6,945,000	83,395	12.0
1956	10,855,581	132,713	12.2	3,786,508	46,282	12.2	7,069,073	86,431	12.2
1957	11,126,900*	133,186	12.0	3,913,200	46,780	12.0	7,213,700	86,406	12.0
1958	11,365,700*	131,525	11.6	4,005,800	46,894	11.7	7,359,900	84,631	11.5
1959	11,600,000*	132,474	11.4	4,091,800	46,598	11.4	7,508,200	85,876	11.4
1960	11,838,400	130,338	11.0	4,166,200	45,855	11.0	7,672,200	84,483	11.0
1961	12,046,325	128,475	10.7	4,228,343	44,434	10.5	7,817,982	84,041	10.7
1962	12,264,500	129,381	10.5	4,290,200	44,454	10.4	7,974,300	84,927	10.7
1963	12,496,500	131,111	10.5	4,358,500	45,306	10.4	8,138,000	85,805	10.5
1964	12,767,900	138,135	10.8	4,462,800	48,501	10.9	8,305,100	89,634	10.8
1965	13,057,200	145,519	11.1	4,576,800	51,274	11.2	8,480,400	94,245	11.1
1966	13,423,123	155,596	11.6	4,756,795	54,571	11.5	8,666,328	101,025	11.7
1967	13,811,500	165,879	12.0	4,922,400	58,377	11.9	8,889,100	107,502	12.1
1968	14,178,500	171,766	12.1	5,072,100	62,109	12.2	9,106,400	109,657	12.0
1969	14,542,400	182,183	12.5	5,218,500	67,150	12.9	9,323,900	115,033	12.3
1970	14,910,200	188,428	12.6	5,392,600	68,874	12.8	9,517,600	119,554	12.6
1971	15,187,415	191,324	12.6	5,494,620	69,590	12.7	9,692,795	121,734	12.6
1972	15,537,300	200,470	12.9	5,641,300	72,278	12.8	9,896,000	128,192	13.0
1973	15,909,000	199,064	12.5	5,769,400	72,371	12.5	10,139,600	126,693	12.5
1974	16,349,000	198,824	12.2	5,942,500	72,716	12.2	10,406,500	126,108	12.1
1975	16,788,500	197,585	11.8	6,095,500	72,209	11.8	10,693,000	125,376	11.7

*Not including Yukon and Northwest Territories

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FIGURE 1

MARRIAGE RATES PER 1,000 POPULATION 15 YEARS AND OVER, 1951-1975 FOR CANADA AND ONTARIO

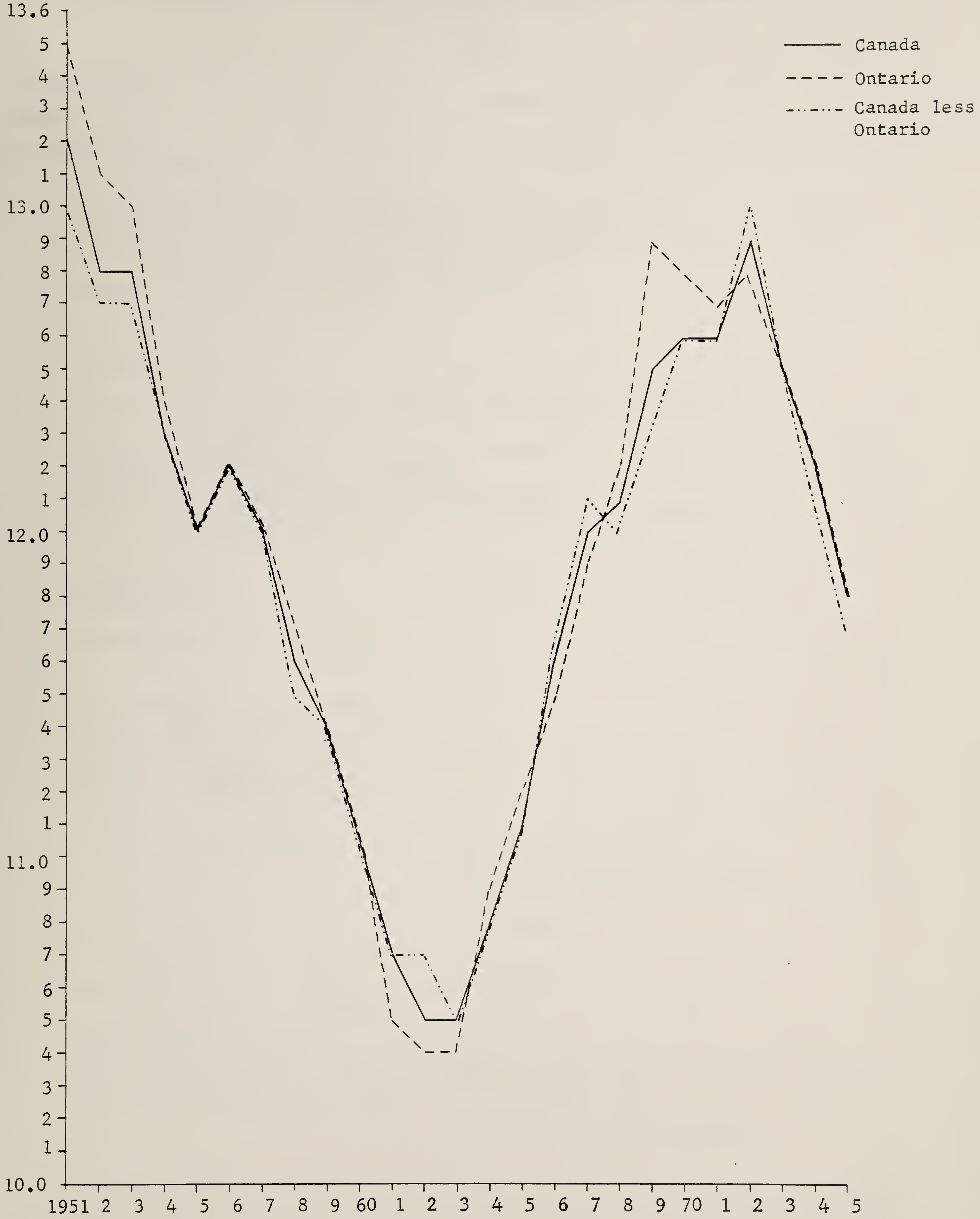
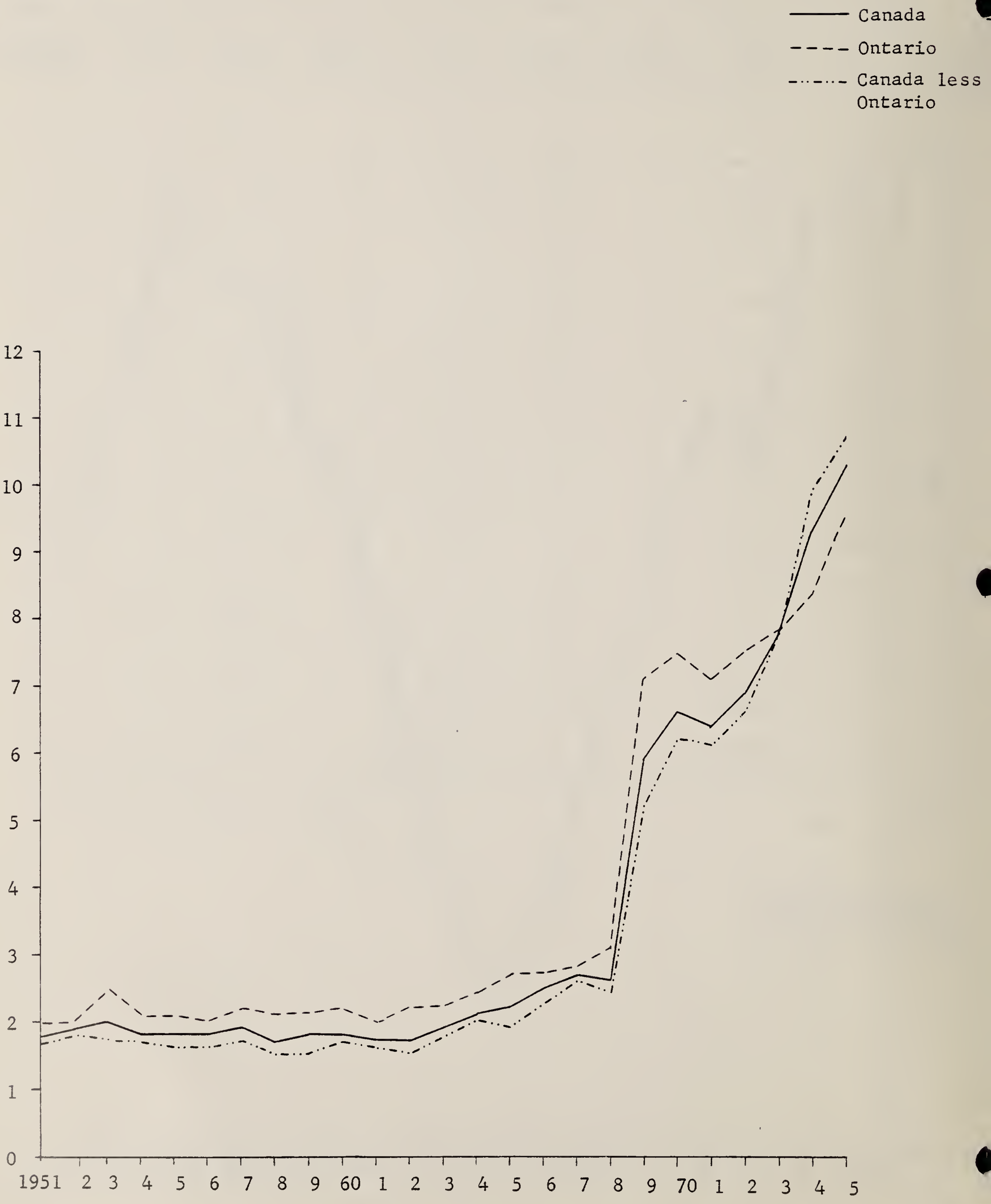


FIGURE 2

DIVORCE RATES PER 1,000 HUSBAND-WIFE FAMILIES, 1951-1975
FOR CANADA AND ONTARIO



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VITAL STATISTICS ONTARIO
INTERPROVINCIAL MIGRATION ESTIMATES
COMPONENTS OF POPULATION CHANGE BY COUNTY, ONTARIO 1961-1976

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ESTIMATED POPULATION FOR ONTARIO

The estimated population in Ontario on March 1, 1978 was 8,456,900.

VITAL STATISTICS, MARCH 1978, ONTARIO

BIRTHS in March 1978 were 10,062 live births, a decrease of 11.0% from March last year. For the 12 month period ending with March 1978 there was only a slight decrease from the same period a year earlier.

DEATHS in March 1978 were 7.3% below the number in March last year. For the first three months of 1978 the number was 11.4% above the same period last year owing to the abnormal number of deaths in January 1978.

NATURAL INCREASE (the excess of births over deaths) in March 1978 amounted to 4,999 as compared to 5,848 in March 1977. For the 12 month period ending in March 1978 natural increase declined by 4.1% in comparison to the same period a year ago.

MARRIAGES were up 17.6% over March last year and for the 12 month period showed almost no change from the same period a year earlier.

DIVORCES in March 1978 totalled 1,914 or 26.4% below March last year. However over the 12 month period there was an increase of 218 or 1.2%. The divorce rate per 1,000 population in 1978 was 2.2 - unchanged from last year.

Marriage and Divorce Rates per 1,000 Population

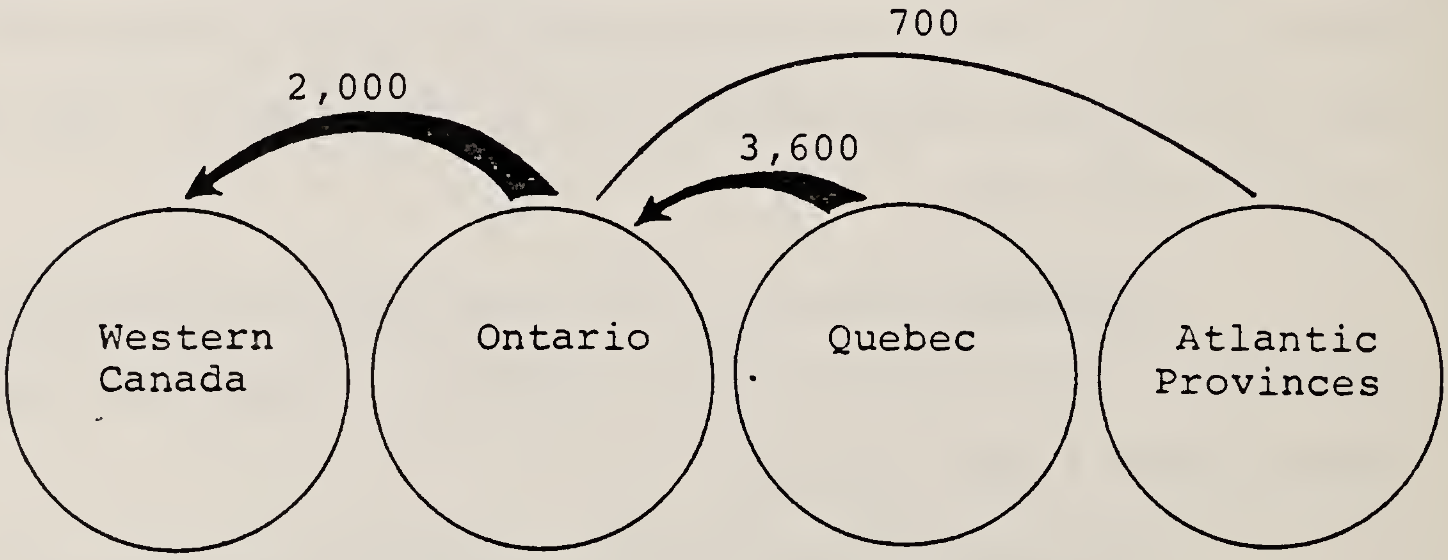
	March		12 months ended March			
	1978	1977	1978	1977	1976	1975
	Number		per 1,000 population			
Marriages	3,466	2,947	8.0	8.2	8.8	8.9
Divorces	1,914	2,600	2.2	2.2	1.9	1.8

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1978 February	- 800	1,800	300	1,300
Jan. to Feb.	- 2,000	3,600	700	2,300

2 Months 1978



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

The estimated net exchange of migrants between Ontario and other regions of Canada during February 1978 indicates a net gain of 1,347 persons, as a result of an inflow of 2,237 inmigrants, mainly from Quebec (1850) and an outflow of 890 migrants to Alberta and British Columbia.

The cumulative net migration for the first two months of 1978 shows a net gain of 2,311 persons, as a result of 4,442 persons moving to Ontario (3,609 from Quebec) and 2,131 migrating to Alberta and British Columbia.

COMPONENTS OF POPULATION CHANGE BY COUNTY, ONTARIO 1961-1976

From 1961 to 1976, Ontario's population grew by 2,028 thousand to reach 8,264 thousand in 1976. The rate of increase in population growth has declined from 11.6 per cent in the first half of the 1960s to only 7.3 per cent in the first half of the 1970s. The main factors in the slowdown of population growth were the decline in the birth rate and the slower in-migration to the Province.

Although natural increase remains the major component in population change in Ontario, its contribution dropped significantly from 67.3 per cent between 1961 and 1966 to 58.4 per cent between 1971 and 1976. The contribution of migration fluctuated in the three intercensal periods from 1961 to 1976: it rose from 237 thousand in the first 5 years to 372 thousand in the second, and then declined to 234 thousand in the third.

Among the regions, the pattern of population growth was variable since net migration tends to play a more dominant role in determining population change. Northeastern and Northwestern Ontario continued to experience population losses through migration and their share of the total provincial population dropped from 12.1 per cent to 9.9 per cent between 1961 and 1976. On the other hand, because of migration gains, the share of Central Ontario increased from 56.8 to 61.1 per cent over the same period.

At the county level there were some significant changes relating to both natural increase and net migration. In order to measure the changes which occurred during the three intervening five year periods between 1961-1976 these data were translated into an index (Ontario = 100) which shows the relative position of each county to that of the Ontario average (see Table 4).

The natural increase component of population change is, as expected, more static in comparison to that of the volatile net migration component. The natural increase component grew relatively faster in ten counties/districts, slower in twelve, and at the same pace as that of the province in 31 counties. Two counties, Dufferin and Wellington, were leading in the first group and Renfrew in the second group.

The following table shows the distribution of counties/districts by their relative performance in natural increase between 1961-66 and 1971-76:

RELATIVE PERFORMANCE IN NATURAL INCREASE BY COUNTY 1961-66 AND 1971-76

Advancing		No Change		Declining	
County/district	Code	County/district	Code	County/district	Code
Bruce	1 - 2	Algoma	4	Glengarry	2 - 1
Dufferin	1 - 4	Brant	2	Grenville	2 - 1
Elgin	1 - 2	Cochrane	4	Hamilton-Wentworth	3 - 2
Haldimand-Norfolk	1 - 2	Dundas	1	Hastings	3 - 2
Lennox-Addington	2 - 3	Durham	4	Manitoulin	2 - 1
Oxford	2 - 3	Essex	3	Parry Sound	2 - 1
Perth	1 - 2	Frontenac	3	Prescott	3 - 2
Simcoe	2 - 3	Grey	1	Prince Edward	2 - 1
Wellington	2 - 4	Haliburton	1	Renfrew	4 - 2
York, R.M.	2 - 3	Halton	4	Russell	4 - 3
		Huron	1	Stormont	3 - 2
		Kenora	4	Timiskaming	3 - 2
		Kent	3		
		Lambton	3		
		Lanark	1		
		Leeds	1		
		Middlesex	3		
		Muskoka	1		
		Niagara	2		
		Nipissing	4		
		Northumberland	1		
		Ottawa-Carleton	3		
		Peel	4		
		Peterborough	2		
		Rainy River	4		
		Sudbury, R.M.	4		
		Sudbury, T.D.	4		
		Thunder Bay	3		
		Toronto, M.M.	3		
		Victoria	1		
		Waterloo	4		

Code: the numbers shown in the table denote the following:

1 = very low level of natural increase
2 = below average
3 = average
4 = above average

Example:
1 - 2 indicates improvement from "very low level" to "below average"
3 - 2 indicates deterioration from "average" to "below average"
4 indicates no change at the "above average" level.

Improvements or deterioration generally took place between adjacent levels; only in two instances (Wellington and Renfrew) did the changes involve movement over two steps, and in one instance movement over three steps (Dufferin). The spread between the lowest and highest values of the index is increasing. The average for the ten counties with the lowest index values in 1961-66 was 56.0 and in the last period 1971-76 it stood at 35.4 or a decline of 36.8%. On the other hand, the average for the ten counties with the highest index values was 132.6 in 1961-66 and 143.5 in 1971-76, or an increase of 8.2%.

We may verify this trend by a comparison between the two pairs of counties showing the lowest index value and the highest index value during the periods 1961-66 and 1971-76. The spread between the lowest and the highest index values was 102.7 points during the period 1961-66 (R.M. Sudbury, 148.0, minus Grey, 45.3) whereas in 1971-76 it grew to 164.6 points (R.M. Peel, 181.7, minus Haliburton, 17.1) or an increase of 60.3%.

It should be noted that this polarization took place during the period of general decline in natural increase in the province from 17.1 per 1,000 population in 1961 to 7.7 in 1976 (a decline of 55.0%). Birth rates declined from 25.3 per 1,000 population in 1961 to 15.1 in 1976 (a decline of 40.3%) whereas death rates declined by only 10.0% during the same period from 8.2 per 1,000 population in 1961 to 7.4 in 1976.

The net migration component, as indicated earlier, is much more volatile since in essence it comprises three subcomponents: net foreign migration, net inter-provincial migration and net intra-provincial migration. The interrelationships of these three subcomponents will be discussed in a later Bulletin.

The following table shows that there were twenty counties/districts with no change in the pattern of migration. Over the past 15 years eight of them had consistently high net inmigration (Durham, Middlesex, Ottawa-Carleton, Peel, Waterloo, Wellington and R.M. York). All of them are located in Southern Ontario and surrounding a major metropolitan area.

Another eight consistently lost population through high outmigration (Algoma, Cochrane, Rainy River, Renfrew, Stormont, Sudbury R.M., Sudbury T.D. and Timiskaming). Six of these are located in Northern Ontario and two in Eastern Ontario.

Three counties in Southern Ontario experienced moderate inmigration, Frontenac, Oxford, and Perth; the first because of growth around Kingston. The other two are adjacent to two growth areas, Waterloo and Middlesex.

The table below shows the relative standing of counties/districts by their net migration status between 1961-66 and 1971-76:

RELATIVE PERFORMANCE IN NET MIGRATION BY COUNTY 1961-66 AND 1971-76

Improving		No change		Declining	
County/District	Code	County/district	Code	County/District	Code
Bruce	1 - 4	Algoma	1	Brant	3 - 2
Dufferin	3 - 4	Cochrane	1	Essex	3 - 2
Dundas	1 - 4	Durham	4	Hamilton/ Wentworth	3 - 2
Elgin	1 - 3	Frontenac	3	Niagara	4 - 3
Glengarry	1 - 3	Halton	4	Toronto, M.M.	4 - 2
Grenville	2 - 4	Middlesex	4		
Grey	2 - 4	Ottawa/Carleton	4		
Haldimand-Norfolk	2 - 3	Oxford	3		
Haliburton	1 - 4	Peel	4		
Hastings	1 - 4	Perth	3		
Huron	1 - 4	Rainy River	1		
Kenora	1 - 3	Renfrew	1		
Kent	2 - 3	Stormont	1		
Lambton	2 - 3	Sudbury, R.M.	1		
Lanark	2 - 4	Sudbury, T.D.	1		
Leeds	2 - 3	Timiskaming	1		
Lennox and Addington	3 - 4	Thunder Bay	2		
Manitoulin	1 - 2	Waterloo	4		
Muskoka	2 - 4	Wellington	4		
Nipissing	1 - 2	York	4		
Northumberland	3 - 4				
Parry Sound	1 - 4				
Peterborough	3 - 4				
Prescott	1 - 3				
Prince Edward	1 - 4				
Russell	1 - 4				
Simcoe	2 - 4				
Victoria	3 - 4				

Code: the numbers shown in the table denote the following:

1 = high levels of outmigration
2 = moderate outmigration
3 = moderate inmigration
4 = high levels of inmigration

Example:

1 - 2 indicates a shift from high to moderate outmigration position
2 - 3 indicates a shift from moderate outmigration to moderate inmigration position
3 - 4 indicates a shift from moderate inmigration to high inmigration position
4 - 3 indicates a shift from high to a moderate inmigration position
3 - 2 indicates a shift from moderate inmigration to that of moderate outmigration
4 indicates no change at high inmigration level.

Thunder Bay recorded a consistent moderate outmigration during the past 15 years.

Just over one half of Ontario's counties had some improvement in their migration patters. Twenty-one counties/ districts moved from a net outmigration position to net inmigration: Bruce, Dundas, Haliburton, Hastings, Huron, Parry Sound, Prince Edward, Russell, Elgin, Glengarry, Kenora, Prescott, Grenville, Grey, Lanark, Muskoka, Simcoe, Haldimand-Norfolk, Haliburton, Kent and Leeds. Five counties moved from a modest to a high inmigration position: Dufferin, Lennox/Addington, Northumberland, Peterborough and Victoria. Two counties, Nipissing and Manitoulin, reduced their intensity of net outmigration from a high to moderate position.

Four counties/regions switched from a net inmigration position to that of net outmigration: Brant, Essex, Hamilton-Wentworth, Toronto M.M., and one, Niagara, moved from a high to moderate inmigration category.

The overall population growth for a given (Province, county or municipality) is a function of natural increase and net migration. Where an area records high levels of natural increase and a high level of net inmigration then in consequence population of this area increases at a very fast rate. Conversely, where natural increase is low and net outmigration high then the population must decline. When the values of the two variables (natural increase and net migration) are of differing magnitudes, say a combination of: 4 and 1; 2 and 3; 1 and 2; etc., then the level of population growth falls anywhere between 4 and 1.

The following table shows the relative standing of counties/districts by their population growth performance between 1961-66 and 1971-76:

RELATIVE POPULATION GROWTH PERFORMANCE, BY COUNTY, 1961-66 AND 1971-76

Improving		No change		Declining	
County/District	Code	County/District	Code	County/District	Code
Bruce	1 - 4	Algoma	2	Essex	3 - 2
Dufferin	2 - 4	Brant	2	Hamilton/ Wentworth	3 - 2
Dundas	1 - 2	Cochrane	2	Stormont	2 - 1
Elgin	1 - 2	Durham	4	Sudbury R.M.	2 - 1
Glengarry	1 - 2	Frontenac	3	Sudbury T.D.	2 - 1
Grey	2 - 3	Grenville	2	Toronto M.M.	3 - 2
Haliburton	1 - 4	Haldimand/Norfolk	2		
Kenora	2 - 3	Halton	4		
Kent	2 - 3	Hastings	2		
Lambton	2 - 3	Huron	2		
Lennox and Addington	2 - 4	Lanark	2		
Muskoka	2 - 4	Leeds	2		
Northumberland	2 - 3	Manitoulin	1		
Oxford	2 - 3	Middlesex	3		
Parry Sound	1 - 3	Niagara	2		
Peterborough	2 - 3	Nipissing	2		
Prescott	1 - 2	Ottawa/Carleton	3		
Prince Edward	2 - 3	Peel	4		
Russell	1 - 4	Perth	2		
Simcoe	2 - 4	Rainy River	1		
Victoria	2 - 4	Renfrew	1		
Wellington	2 - 4	Thunder Bay	2		
York	3 - 4	Timiskaming	1		
		Waterloo	4		

Code: the numbers shown in the table denote the following

1 = declining population
2 = moderate growth (below provincial average)
3 = intermediate growth (between provincial average and twice provincial average)
4 = fast growth (more than twice provincial average).

The foregoing table reveals that 24 counties/districts recorded no change in their growth pattern during the past 15 years. Four counties/regions grew consistently faster than the provincial average (Durham, Halton, Peel and Waterloo) and four were declining (Manitoulin, Rainy River, Renfrew and Timiskaming). Three counties grew at a moderate rate, i.e., slightly above the provincial average (Frontenac, Middlesex and Ottawa/Carleton). The remaining 13 grew at a rate lower than the provincial average.

Twenty-three counties/districts improved their growth performance, moving from a lower to a higher growth level. Three of these switched from a declining position to a high growth classification: Bruce, due to Hydro projects; Haliburton, as a result of relatively high inmigration, and Russell as a result of an overflow of growth in the Ottawa region. Six counties switched from a slow growth to a high growth pattern (Dufferin, Lennox and Addington, Muskoka, Simcoe, Victoria and Wellington); five moved from a declining to slow growth classification; eight moved from slow growth to intermediate growth classification. The York region improved its growth performance from intermediate to fast growth classification.

Three counties/regions switched from intermediate growth to slow growth (Essex, Hamilton-Wentworth and Toronto M.M.) and three others from a slow growth pattern to a declining classification (Stormont, Sudbury R.M. and Sudbury T.D.).

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

	MARCH				12 MONTHS ENDING WITH MARCH						JANUARY - MARCH			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
ITEM[1]	1978	1977	NUMBER	%	1978	1977	1978	1977	1976	1975	1978	1977	NUMBER	%
Live Births	10,082	11,329	-1,247	-11.0	122,177	122,194	14.5	14.7	15.6	15.4	30,207	30,506	-299	-1.0
Deaths	5,083	5,481	-398	-7.3	62,435	59,914	7.4	7.2	7.5	7.6	17,538	15,743	1,795	11.4
Natural Increase	4,999	5,848	-849	-14.5	59,742	62,280	7.1	7.5	8.1	7.8	12,669	14,763	-2,094	-14.2
Marriages	3,466	2,947	519	17.6	67,865	67,898	8.0	8.2	8.8	8.9	9,846	9,100	746	8.2
Divorces	1,914	2,600	-686	-26.4	18,924	18,706	2.2	2.2	1.9	1.8	4,912	4,757	155	3.3
Population Base[2] (in thousands) as of January 1	-	-	-	-	-	-	8,441.1	8,329.7	8,228.8	8,124.9	-	-	-	-

SOURCES: 1 Registrar General, Ministry of Consumer and Commercial Relations
2 Statistics Canada: Cat. No. 91-001

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TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR JANUARY AND FEBRUARY, 1978

	JANUARY 1978			FEBRUARY 1978			JANUARY - FEBRUARY 1978		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
BETWEEN ONTARIO AND	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE
Newfoundland	164	6	170	33	54	87	197	60	257
Prince Edward Island	-11	14	3	4	41	45	-7	55	48
Nova Scotia	31	124	155	1	48	49	32	172	204
New Brunswick	40	35	75	15	69	84	55	104	159
Quebec	504	1,256	1,760	416	1,433	1,849	920	2,689	3,609
Manitoba	4	-6	-2	2	95	97	6	89	95
Saskatchewan	7	23	30	6	-19	-13	13	4	17
Alberta	-311	-539	-850	-151	-354	-505	-462	-893	-1,355
British Columbia	-72	-332	-404	-66	-306	-372	-138	-638	-776
Yukon and N. W. Territories	7	20	27	3	23	26	10	43	53
Total Received	363	601	964	263	1,084	1,347	626	1,685	2,311

*Preliminary estimates

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts.
Ontario Ministry of Transportation and Communications, Drivers Change of Address.

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TABLE 3

ONTARIO: COMPONENTS OF POPULATION GROWTH BY PLANNING REGION AND COUNTY, 1961-1976

REGION/COUNTY	1961 POPULATION	NATURAL INCREASE	NET MIGRATION	1966 POPULATION	NATURAL INCREASE	NET MIGRATION	1971 POPULATION	NATURAL INCREASE	NET MIGRATION	1976 POPULATION
EASTERN ONTARIO	920,733	71,089	-263	991,559	43,971	35,386	1,070,916	36,814	41,569	1,149,299
Dundas	17,162	976	-1,032	17,106	565	-214	17,457	392	658	18,507
Frontenac	87,534	7,033	2,571	97,138	4,809	-255	101,692	3,729	2,631	108,052
Glengarry	19,217	1,143	-2,179	18,181	502	-203	18,480	266	524	19,270
Grenville	22,864	1,403	-838	23,429	613	274	24,316	551	1,158	26,025
Hastings	93,377	7,098	-6,348	94,127	3,429	1,837	99,393	3,046	3,398	105,837
Lanark	40,313	1,782	-883	41,212	741	306	42,259	584	1,354	44,197
Leeds	46,889	2,734	-494	49,129	1,644	-680	50,093	1,261	1,225	52,579
Lennox and Addington	23,717	1,426	59	25,202	1,161	1,996	28,359	1,295	2,979	32,633
Ottawa-Carleton (R.M.)	358,410	30,603	24,679	413,692	22,331	35,908	471,931	19,037	29,565	520,533
Prescott	27,226	2,130	-2,201	27,155	857	-180	27,832	794	474	29,100
Prince Edward	21,108	1,270	-1,071	21,307	502	-1,169	20,640	254	1,665	22,559
Renfrew	89,635	7,879	-8,061	89,453	3,882	-2,460	90,875	2,923	-4,699	89,099
Russell	15,414	1,253	-1,789	14,878	844	565	16,287	757	2,691	19,735
Stormont	57,867	4,359	-2,676	59,550	2,091	-339	61,302	1,925	-2,054	61,173
CENTRAL ONTARIO	3,542,696	278,732	286,392	4,107,820	231,590	305,459	4,644,869	205,669	200,311	5,050,849
Brant	83,839	5,331	1,775	90,945	3,405	2,417	96,767	3,023	-691	99,099
Dufferin	16,095	594	419	17,108	620	3,472	21,200	1,123	6,205	28,528
Durham (R.M.)	153,374	14,113	23,595	191,082	11,344	15,004	217,430	10,982	19,061	247,473
Haldimand-Norfolk (R.M.)	78,672	4,550	-2,624	80,598	2,969	3,147	86,714	2,316	222	89,252
Haliburton	8,928	296	-1,456	7,768	99	1,214	9,081	69	1,645	10,795
Halton (R.M.)	117,623	11,743	22,558	151,924	10,690	27,237	189,851	11,288	27,358	228,497
Hamilton-Wentworth (R.M.)	348,181	25,970	9,024	383,175	18,765	-701	401,239	13,673	-5,422	409,490
Muskoka (D.M.)	26,705	1,126	-140	27,691	423	3,824	31,938	530	4,223	36,691
Niagara (R.M.)	291,415	20,454	13,048	324,917	15,321	7,090	347,328	11,158	6,952	365,438
Northumberland	52,099	2,591	1,188	55,878	1,526	1,823	59,227	1,312	3,902	64,441
Peel (R.M.)	111,575	13,264	47,482	172,321	17,077	70,476	259,874	23,742	92,294	375,910
Peterborough	80,215	4,936	942	86,093	3,320	3,004	92,417	2,516	4,997	99,930
Simcoe	145,028	9,081	-1,026	153,083	6,010	16,872	175,965	7,407	27,319	210,691
Toronto (M.M.)	1,621,357	133,070	130,495	1,884,922	112,679	92,128	2,089,729	87,894	-53,332	2,124,291
Victoria	31,813	1,085	184	33,082	451	3,108	36,641	444	6,458	43,543
Waterloo (R.M.)	176,754	16,278	23,696	216,728	15,820	22,133	254,681	15,676	18,772	289,129
Wellington	84,702	5,877	3,598	94,177	4,929	9,621	108,727	5,136	9,873	123,736
York (R.M.)	114,321	8,373	13,634	136,328	6,142	23,590	166,060	7,380	30,475	203,915
SOUTHWESTERN ONTARIO	1,020,857	65,806	6,781	1,093,444	48,854	38,274	1,180,572	44,347	22,257	1,247,176
Bruce	43,036	1,931	-1,882	43,085	884	3,416	47,385	1,498	8,589	57,472
Elgin	62,862	2,934	-3,884	61,912	2,242	2,454	66,608	2,128	356	69,092
Essex	256,774	18,284	5,864	280,922	15,189	10,286	306,397	12,468	-8,503	310,362
Grey	62,005	2,099	-1,512	62,592	1,330	2,481	66,403	1,289	4,484	72,176
Huron	53,805	2,757	-2,116	54,446	1,184	-2,679	52,951	1,247	1,809	56,007
Kent	90,871	6,583	-1,048	96,406	4,685	29	101,120	4,085	925	106,130
Lambton	102,131	7,234	-1,129	108,236	5,233	845	114,314	4,591	1,671	120,576
Middlesex	221,422	16,265	11,716	249,403	13,050	19,561	282,014	12,119	9,612	303,745
Oxford	71,169	4,571	278	76,018	3,148	1,241	80,407	2,924	2,006	85,337
Perth	56,782	3,148	494	60,424	1,909	640	62,973	1,998	1,308	66,279
NORTHEASTERN ONTARIO	535,283	54,071	-44,791	544,563	34,674	3,142	582,379	29,898	-28,531	583,746
Algoma	111,408	12,137	-9,984	113,561	8,156	220	121,937	6,312	-5,366	122,883
Cochrane	95,666	9,937	-8,269	97,334	6,192	-7,647	95,879	5,111	-4,165	96,825
Manitoulin	11,176	732	-1,364	10,544	335	52	10,931	203	-241	10,893
Nipissing	70,568	7,395	-4,430	73,533	4,045	1,289	78,867	3,480	-608	81,739
Parry Sound	29,632	1,794	-3,091	28,335	633	1,276	30,244	446	1,964	32,654
Sudbury (R.M.)	141,480	15,864	-8,835	148,509	11,760	8,779	169,048	11,350	-12,693	167,705
Sudbury (T.D.)	24,382	2,474	-1,263	25,593	1,804	1,634	29,031	1,737	-3,481	27,287
Timiskaming	50,971	3,738	-7,555	47,154	1,749	-2,461	46,442	1,259	-3,941	43,760
NORTHWESTERN ONTARIO	216,523	18,082	-11,121	223,484	12,750	-11,864	224,370	11,009	-1,984	233,395
Kenora	51,474	5,716	-3,195	53,995	4,598	-5,363	53,230	4,139	611	57,980
Rainy River	26,531	2,113	-2,828	25,816	1,368	-1,434	25,750	1,200	-2,182	24,768
Thunder Bay	138,518	10,253	-5,098	143,673	6,784	-5,067	145,390	5,670	-413	150,647
TOTAL, PROVINCE OF ONTARIO	6,236,092	487,780	236,998	6,960,870	371,839	370,397	7,703,106	327,737	233,622	8,264,465

D.M. - District Municipality
M.M. - Metropolitan Municipality
R.M. - Regional Municipality
T.D. - Territorial District

SOURCE: Statistics Canada, Census of Canada, Population, 1961-1976
Ontario, Ministry of Consumer and Commercial Relations, Office of the Registrar General, Vital Statistics, 1961-1976

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TABLE 4

ONTARIO: COMPONENTS OF POPULATION GROWTH BY COUNTY/DISTRICT, 1961-66 TO 1971-76
CLASSIFIED BY THEIR RELATIVE PERFORMANCE ON A SCALE 1 TO 4 (LOW TO HIGH)

		NATURAL INCREASE			NET MIGRATION			POPULATION CHANGE		
		1961-66	1966-71	1971-76	1961-66	1966-71	1971-76	1961-66	1966-71	1971-76
1	Algoma	4	4	4	1	3	1	2	2	2
2	Brant	2	2	2	3	3	2	2	2	2
3	Bruce	1	1	2	1	4	4	1	3	4
4	Cochrane	4	4	4	1	1	1	2	1	2
5	Dufferin	1	2	4	3	4	4	2	4	4
6	Dundas	1	2	1	1	2	4	1	2	2
7	Durham	4	4	4	4	4	4	4	4	4
8	Elgin	1	2	2	1	3	3	1	2	2
9	Essex	3	3	3	3	3	2	3	3	2
10	Frontenac	3	3	3	3	2	3	3	2	3
11	Glengarry	2	1	1	1	2	3	1	2	2
12	Grenville	2	1	1	2	3	4	2	2	2
13	Grey	1	1	1	2	3	4	2	2	3
14	Haldimand/Norfolk	1	2	2	2	3	3	2	2	2
15	Haliburton	1	1	1	1	4	4	1	3	4
16	Halton	4	4	4	4	4	4	4	4	4
17	Hamilton-Wentworth	3	3	2	3	2	2	3	2	2
18	Hastings	3	2	2	1	3	4	2	2	2
19	Huron	1	1	1	1	2	4	2	1	2
20	Kenora	4	4	4	1	1	3	2	1	3
21	Kent	3	3	3	2	3	3	2	3	3
22	Lambton	3	3	3	2	3	3	2	3	3
23	Lanark	1	1	1	2	3	4	2	2	2
24	Leeds	1	2	1	2	2	3	2	2	2
25	Lennox/Addington	2	3	3	3	4	4	2	3	4
26	Manitoulin	2	1	1	1	3	2	1	2	1
27	Middlesex	3	3	3	4	4	4	3	3	3
28	Muskoka	1	1	1	2	4	4	2	3	4
29	Niagara	2	3	2	4	3	3	2	2	2
30	Nipissing	4	4	4	1	3	2	2	2	2
31	Northumberland	1	1	1	3	3	4	2	2	3
32	Ottawa/Carleton	3	3	3	4	4	4	3	3	3
33	Oxford	2	2	3	3	3	3	2	2	3
34	Parry Sound	2	1	1	1	3	4	1	2	3
35	Peel	4	4	4	4	4	4	4	4	4
36	Perth	1	1	2	3	3	3	2	2	2
37	Peterborough	2	2	2	3	3	4	2	2	3
38	Prescott	3	2	2	1	2	3	1	2	2
39	Prince Edward	2	1	1	1	1	4	2	1	3
40	Rainy River	4	4	4	1	1	1	1	1	1
41	Renfrew	4	3	2	1	2	1	1	2	1
42	Russell	4	4	3	1	3	4	1	2	4
43	Simcoe	2	2	3	2	4	4	2	3	4
44	Stormont	3	2	2	1	2	1	2	2	1
45	Sudbury R.M.	4	4	4	1	4	1	2	3	1
46	Sudbury T.D.	4	4	4	1	4	1	2	3	1
47	Thunder Bay	3	3	3	2	2	2	2	2	2
48	Timiskaming	3	2	2	1	1	1	1	1	1
49	Toronto M.M.	3	4	3	4	3	2	3	3	2
50	Victoria	1	1	1	3	4	4	2	3	4
51	Waterloo	4	4	4	4	4	4	4	4	4
52	Wellington	2	3	4	4	4	4	2	3	4
53	York	2	3	3	4	4	4	3	3	4

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VITAL STATISTICS ONTARIO
INTERPROVINCIAL MIGRATION ESTIMATES
INTERCENSAL POPULATION ESTIMATES FOR THE PROVINCES AND CENSUS METROPOLITAN AREAS, 1972 - 1975

Ontario

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ESTIMATED POPULATION FOR ONTARIO

The estimated population in Ontario on April 1, 1978 was 8,460,900.

VITAL STATISTICS, APRIL 1978, ONTARIO

BIRTHS in April 1978 were 9,921 live births, an increase of 7 births over April last year. For the 12 month period ending with April 1978 there was a slight decrease from the same period a year earlier.

DEATHS in April 1978 numbered 4,819, a decline of 29 deaths. For the 12 month period ending with April 1978 there was an increase of 4.4%, over the same period a year earlier. The estimated death rate was 7.4 per 1,000 population as compared to 7.1 last year.

NATURAL INCREASE (the excess of births over deaths) was up over April last year but for the first four months of 1978 natural increase was down 10.4% from January-April last year. The estimated natural increase rate per 1,000 population was 7.0 in 1978 as compared to 7.5 in 1977.

MARRIAGES celebrated in April this year were less than in April last year. The marriage rate declined to 7.9 per 1,000 population from 8.2 last year. For the 12 month period ending with April 1978 there was a decline of 2.0% from the same period a year ago, to total 66,903.

DIVORCES in April were up 8.9% over April last year and during the 12 month period ending with April 1978 there was an increase of 2.3% over the same period a year ago.

Marriage and Divorce Rates per 1,000 Population

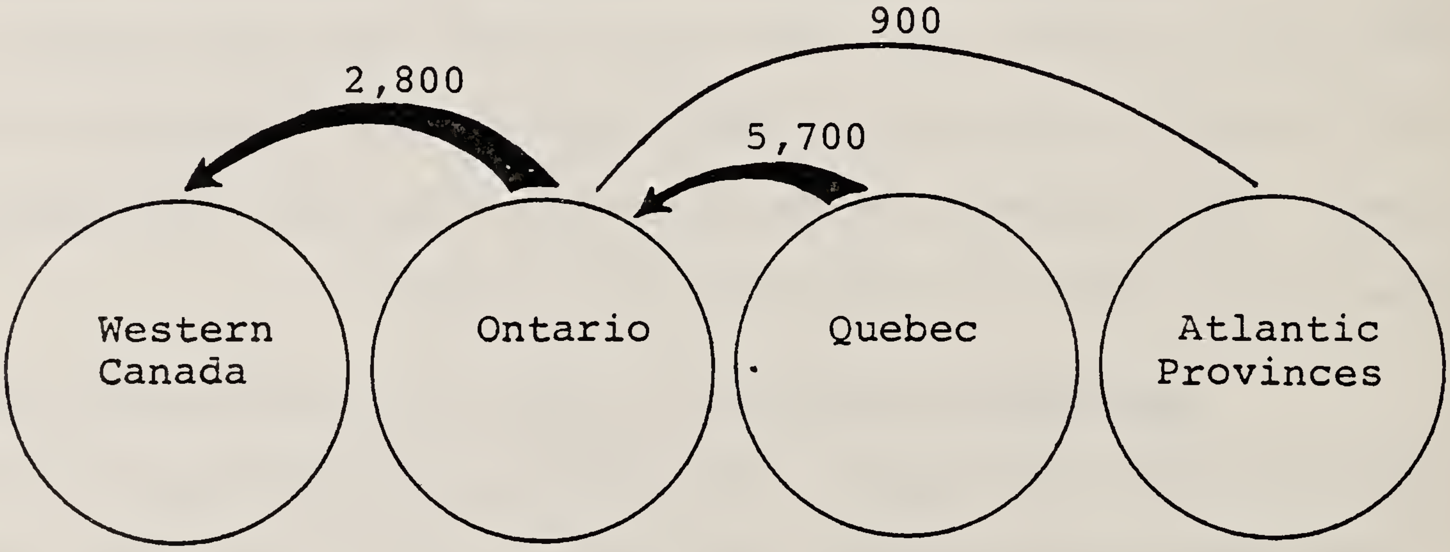
	April		12 months ended April			
	1978	1977	1978	1977	1976	1975
	Number		per 1,000 population			
Marriages	3,241	4,203	7.9	8.2	8.8	8.9
Divorces	1,583	1,453	2.3	2.2	1.9	1.8

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1978				
March	- 800	2,100	200	1,500
Jan. to March	- 2,800	5,700	900	3,800

3 Months 1978



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

The estimated net exchange of migrants between Ontario and other regions of Canada during March indicates a net gain of 1,473 persons, as a result of an inflow of 2,497 inmigrants, mainly from Quebec (2,050) and an outflow of 1,024 migrants, mainly to Alberta and British Columbia.

The cumulative net migration for the first three months of 1978 shows a net gain of 3,784 persons, as a result of 6,885 persons moving to Ontario (5,660 from Quebec) and 3,101 moving to the western provinces (Alberta 1,902; British Columbia 1,143).

INTERCENSAL POPULATION ESTIMATES FOR THE PROVINCES AND CENSUS METROPOLITAN AREAS 1972-1975

Statistics Canada has recently published intercensal population estimates for the Provinces and Census Metropolitan Areas for the years 1972-1975. (See Table 3).

Between June 1, 1971 and June 1, 1976 the population of Canada increased by 1,424,300 or by 6.6%. This growth, however, was unevenly distributed among the provinces and territories. Five provinces, Yukon and the Territories grew faster than the Canadian average of 1.29% per annum. (Newfoundland, New Brunswick, Ontario, Alberta, British Columbia, Yukon and N.W.T); four provinces grew at a slower rate (Prince Edward Island, Nova Scotia, Quebec and Manitoba) and

Saskatchewan was losing population at 0.106% per annum. As the table below indicates, the two western provinces grew at a rate almost twice as fast as the Canadian average, whereas Yukon and N.W.T. grew at a rate three times the Canadian Average. The impetus for their growth came mostly from interprovincial migration.

Canada: Population Growth by Province between 1971 and 1976

Province	Census 1971 '000	Distribution %	Census 1976 '000	Distribution %	Population Growth 1971-76 Number '000	Per cent	Per annum %
Newfoundland	522.1	2.42	557.7	2.43	35.6	6.81	1.33
Prince Edward Is.	111.6	0.52	118.2	0.51	6.6	5.91	1.15
Nova Scotia	789.0	3.66	828.6	3.60	39.6	5.02	0.98
New Brunswick	634.6	2.94	677.3	2.95	42.7	6.72	1.31
Quebec	6,027.8	27.95	6,234.5	27.13	206.7	3.43	0.68
Ontario	7,703.1	35.71	8,264.5	35.94	561.4	7.29	1.42
Manitoba	988.2	4.58	1,021.5	4.44	33.3	3.37	0.66
Saskatchewan	926.2	4.29	921.3	4.00	- 4.9	- 0.53	- 0.11
Alberta	1,627.9	7.55	1,838.0	7.99	210.1	12.91	2.46
British Columbia	2,184.6	10.13	2,466.6	10.73	282.0	12.91	2.46
Yukon and N.W.T.	53.2	0.25	64.4	0.28	11.2	21.05	3.89
Canada	21,568.3	100.00	22,992.6	100.0	1,424.3	6.60	1.29

As a result, Regional Distribution of population in Canada underwent significant change. During the five year period, 1971-76 the share of the two western provinces and Territories increased by slightly over one percentage point, Ontario's share increased by a fraction, whereas the share of population of the remaining regions decreased cumulatively by 1.3 percentage points.

Canada: Relative population distribution by Regions
1971 and 1976

Regions	Population Distribution 1971 %	Population Distribution 1976 %	Difference 1971-76 Percentage points
Atlantic Provinces	9.54	9.49	- 0.05
Quebec	27.95	27.13	- 0.82
Ontario	35.71	35.94	+ 0.23
Manitoba, Saskatchewan	8.87	8.44	- 0.43
Alberta, British Columbia, Yukon and N.W.T.	17.93	19.00	+ 1.07
Total	100.00	100.00	0.00

The total Canadian population increment of 1,424,300 (1971-76) was distributed regionally in the following way:

Region	Population Increment Number	Population Increment Per Cent	Growth Rate Per 1,000 average 1971-76 population
Atlantic Provinces	124,500	8.74	58.74
Quebec	206,700	14.51	33.71
Ontario	561,400	39.42	70.32
Manitoba and Saskatchewan	28,400	1.99	14.72
Alberta, British Columbia and NWT	503,300	35.34	122.24
Total	1,424,300	100.00	63.93

As can be seen from the above tabulation, Alberta, B.C. and NWT as a total achieved, a growth rate almost twice as fast as that of the national average, Ontario performed fractionally better, while the Atlantic Provinces were fractionally below the national average. Quebec achieved only 1/2 of the national average, and the two Prairie Provinces of Manitoba and Saskatchewan only 1/5 of the national average.

The 1976 Census lists 23 Census Metropolitan Areas (CMA's)* in Canada, ten of which are in Ontario (Table 3). The aggregate population increase of the CMA's between 1971 and 1976 amounts to 814,600 from 11,984,400 in 1971 to 12,799,000 in 1976 an annual rate of growth of 1.32%, or 2.3% faster than the Canadian population growth rate of 1.29%. The proportion of the Canadian population living in CMA's in 1976 was 55.7%, compared to 55.6% in 1971 (using 1976 boundaries for comparison) apparently indicating a stabilization of growth in the Census Metropolitan Areas.

The ten Ontario CMA's increased their aggregate population by 359,200, from 4,998,200 in 1971 to 5,357,400 in 1976 at a 1.40% annual growth rate, which was slightly below the overall provincial growth rate of 1.42% per annum, indicating a slow-down in metropolitan growth in this province. Only four CMA's had a faster growth rate than the provincial average, namely: Kitchener (2.67%), Oshawa (2.36%), Ottawa* (Ontario portion only, 1.91%) and Toronto (1.50%). Two Ontario CMA's, the only ones in Canada, experienced a decrease in population between the last two censuses' Sudbury and Windsor, where the average annual decline amounted to 0.1% over that period. The remaining four CMA's registered only moderate or very low growth rates.

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* Census Metropolitan Area (Statistics Canada definition): The main labour market area of an urbanized core (or continuous built-up area) having 100,000 or more population. CMA's are created by Statistics Canada and are usually known by the name of their largest city. They contain whole municipalities (or census subdivisions) CMA's are comprised of (1) municipalities completely or partly inside the urbanized core and (2) other municipalities, if (a) at least 40% of the employed labour force living in the municipality works in the urbanized core, or (b) at least 25% of the employed labour force working in the municipality lives in the urbanized core.

Although CMA Toronto had only a moderate rate of growth between 1971 and 1976 of 1.50% per annum, it recorded the largest numerical increase since 1971 (201,000). The disparity in annual growth rates between CMA Montreal and CMA Toronto (0.53% versus 1.50%) resulted in CMA Toronto emerging as the largest CMA in Canada, albeit by only 600 people.

All provinces, except Prince Edward Island, had at least one CMA. While St. John's (Nfld.) and Halifax (N.S.) grew faster than their respective provinces, Saint John (N.B.) had a slower growth rate, indicating that other centres in New Brunswick were attracting population at a faster rate. In the province of Quebec only Hull and Quebec City experienced a faster growth rate than the province as a whole while the remaining two CMA's in Quebec, Chicoutimi and Montreal, recorded very low annual growth rates.

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* For the purpose of this analysis, CMA Ottawa-Hull has been considered in separate units, in order to show the population trends on the Provincial Basis - Ottawa in Ontario and Hull in Quebec.

In Manitoba 85.3% of the provincial growth occurred within CMA Winnipeg. In Saskatchewan, the provincial population declined by 4,900, but its two CMA's registered an increase of 17,900 in population, or an annual growth rate of 1.3%. This would indicate a significant depopulation in areas outside the two Census Metropolitan Areas of Regina and Saskatoon.

Calgary, Alberta, recorded a much faster growth rate than that of the province, whereas Edmonton had a much lower rate of growth. In British Columbia the two CMA's experienced lower rates of growth than the province, indicating that significant growth took place outside the two major urban areas.

The following table ranks the CMA's by their respective growth rates, on a scale from the highest to the lowest:

Canada: Average Annual Growth Rates of the Census Metropolitan Areas, 1971-1976

Rank	Census Metropolitan Area	Province	Average Annual Growth Rate	Absolute Population Growth '000	CMA Share of the Provincial Population Growth %
1	Hull	Quebec	3.37	26.3	12.7
2	Calgary	Alberta	3.10	66.6	31.7
3	Kitchener	Ontario	2.67	33.6	6.0
4	Oshawa	Ontario	2.36	14.9	2.7
5	Edmonton	Alberta	2.24	58.2	27.7
6	Victoria	British Columbia	2.20	22.5	8.0
7	Ottawa	Ontario	1.91	47.1	8.4
8	St. John's	Nfld.	1.70	11.6	32.6
9	Quebec	Quebec	1.58	40.8	19.7
10	Vancouver	British Columbia	1.50	83.9	29.8
10	Toronto	Ontario	1.50	201.0	35.8
11	Regina	Saskatchewan	1.45	10.5	-
12	Halifax	Nova Scotia	1.35	17.4	43.9
13	London	Ontario	1.34	17.4	3.1
14	Saint John	New Brunswick	1.15	6.3	14.8
15	Saskatoon	Saskatchewan	1.14	7.4	-
16	St. Catharines	Ontario	1.10	16.1	2.9
17	Hamilton	Ontario	1.02	26.3	4.7
18	Winnipeg	Manitoba	1.01	28.4	85.3
19	Thunder Bay	Ontario	0.79	4.6	0.8
20	Montreal	Quebec	0.53	73.3	35.5
21	Chicoutimi	Quebec	0.34	2.2	1.1
22	Sudbury	Ontario	- 0.09	- 0.7	- 0.1
23	Windsor	Ontario	- 0.09	- 1.1	- 0.2
	Total		------	814.6	57.2 (1)

(1) Share of Canadian population growth.

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

ITEM[1]	APRIL				12 MONTHS ENDING WITH APRIL						JANUARY - APRIL			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
	1978	1977	NUMBER	%	1978	1977	1978	1977	1976	1975	1978	1977	NUMBER	%
Live Births	9,921	9,914	7	0.0	122,184	122,396	14.4	14.6	15.6	15.4	40,128	40,420	-292	-0.7
Deaths	4,819	4,848	-29	-0.1	62,406	59,781	7.4	7.1	7.5	7.6	22,357	20,591	1,766	8.6
Natural Increase	5,102	5,066	36	0.1	59,778	62,615	7.0	7.5	8.1	7.8	17,771	19,829	-2,058	-10.4
Marriages	3,241	4,203	-962	-22.9	66,903	68,239	7.9	8.2	8.8	8.9	13,087	13,303	-216	-1.6
Divorces	1,583	1,453	130	8.9	19,054	18,624	2.3	2.2	1.9	1.8	6,495	6,210	285	4.6
Population Base[2] (in thousands) as of January 1	-	-	-	-	-	-	8,457	8,355	8,250	8,150	-	-	-	-

SOURCES: 1 Registrar General, Ministry of Consumer and Commercial Relations
2 Statistics Canada: Cat. No. 91-001

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Central Statistical Services
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May 1978

TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR MARCH AND JANUARY-MARCH, 1978

BETWEEN ONTARIO AND	MARCH 1978			JANUARY - FEBRUARY 1978			JANUARY - MARCH 1978		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE
Newfoundland	14	84	98	197	60	257	211	144	355
Prince Edward Island	-1	45	44	-7	55	48	-8	100	92
Nova Scotia	-41	4	-37	32	172	204	-9	176	167
New Brunswick	3	113	116	55	104	159	58	217	275
Quebec	258	1,792	2,050	920	2,689	3,609	1,178	4,481	5,659
Manitoba	-16	171	155	6	89	95	-10	260	250
Saskatchewan	-60	-13	-73	13	4	17	-47	-9	-56
Alberta	-148	-399	-547	-462	-893	-1,355	-610	-1,292	-1,902
British Columbia	-137	-230	-367	-138	-638	-776	-275	-868	-1,143
Yukon and N. W. Territories	-	34	34	10	43	53	10	77	87
Total Received	-128	1,601	1,473	626	1,685	2,311	498	3,286	3,784

*Preliminary Estimates

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts.
Ontario Ministry of Transportation and Communications, Drivers Change of Address.

Social and Economic Data
Central Statistical Services
Ministry of Treasury, Economics
and Intergovernmental Affairs

May 1978

TABLE 3

CENSUS POPULATION, 1971 AND 1976, AND INTERCENSAL POPULATION ESTIMATES FOR PROVINCES AND CENSUS METROPOLITAN AREAS, 1972-1975

							GROWTH 1971-1976	
CENSUS METROPOLITAN AREAS	1971	1972	1973	1974	1975	1976	NUMBER	AVERAGE ANNUAL PER CENT
	000's						000's	
Hamilton	503.1	507.7	512.3	518.4	524.6	529.4	26.3	1.02
Kitchener	238.6	244.5	250.3	257.9	265.5	272.2	33.6	2.67
London	253.0	256.0	259.2	263.4	267.3	270.4	17.4	1.34
Oshawa	120.3	122.8	125.7	129.2	132.5	135.2	14.9	2.36
Ottawa[1]	474.2	482.7	491.4	501.7	511.9	521.3	47.1	1.91
St. Catharines-Niagara	285.8	289.2	292.7	296.1	299.1	301.9	16.1	1.10
Sudbury	157.7	157.6	157.4	157.3	157.2	157.0	-0.7	-0.09
Thunder Bay	114.7	115.7	116.6	117.5	118.4	119.3	4.6	0.79
Toronto	2,602.1	2,631.8	2,663.9	2,715.5	2,764.8	2,803.1	201.0	1.50
Windsor	248.7	248.5	248.3	248.0	247.8	247.6	-1.1	-0.09
Total Ontario C.M.A.'s	4,998.2	5,056.5	5,117.8	5,205.0	5,289.1	5,357.4	359.2	1.40
Ontario	7,703.1	7,809.9	7,908.8	8,054.1	8,172.2	8,264.5	561.4	1.42
C.M.A.'s as % of Ontario	64.9	64.7	64.7	64.6	64.7	64.8	64.0	98.6
St. John's	131.8	134.1	136.4	138.8	141.1	143.4	11.6	1.70
Newfoundland	522.1	530.0	537.2	541.5	549.1	557.7	35.6	1.33
C.M.A.'s as % of Newfoundland	25.2	25.3	25.4	25.6	25.7	25.7	32.6	127.8
Prince Edward Island	111.6	112.6	114.0	115.2	117.1	118.2	6.6	1.15
Halifax	250.6	254.2	257.7	261.5	264.8	268.0	17.4	1.35
Nova Scotia	789.0	794.6	804.3	811.5	819.5	828.6	39.6	0.98
C.M.A.'s as a % of Nova Scotia	31.8	32.0	32.0	32.2	32.3	32.3	43.9	137.8
Saint John	106.7	107.8	109.0	110.2	111.6	113.0	6.3	1.15
New Brunswick	634.6	640.1	647.1	653.6	665.2	677.3	42.7	1.31
C.M.A.'s as % of New Brunswick	16.8	16.8	16.8	16.9	16.8	16.7	14.8	87.8
Chicoutimi-Jonquiere	126.4	126.8	127.2	127.6	128.1	128.6	2.2	0.34
Hull[2]	145.7	150.1	154.7	160.8	166.8	172.0	26.3	3.37
Montreal	2,729.2	2,740.9	2,752.2	2,768.7	2,785.5	2,802.5	73.3	0.53
Quebec City	501.4	508.5	515.5	523.8	532.3	542.2	40.8	1.58
Total Quebec C.M.A.'s	3,502.7	3,526.3	3,549.6	3,580.9	3,612.7	3,645.3	142.6	0.80
Quebec	6,027.8	6,053.6	6,078.9	6,122.7	6,179.0	6,234.5	206.7	0.68
C.M.A.'s as % of Quebec	58.1	58.3	58.4	58.5	58.5	58.5	69.0	117.6

TABLE 3 (CONT'D)

CENSUS POPULATION, 1971 and 1976, AND INTERCENSAL POPULATION ESTIMATES FOR PROVINCES AND CENSUS METROPOLITAN AREAS, 1972-1975

CENSUS METROPOLITAN AREAS	1971	1972	1973	1974	1975	1976	GROWTH 1971-1976 NUMBER	AVERAGE ANNUAL PER CENT
	000's						000's	
Winnipeg	549.8	555.0	560.2	566.5	572.7	578.2	28.4	1.01
Manitoba	988.2	991.2	996.2	1,007.5	1,013.6	1,021.5	33.3	0.66
C.M.A.'s as % of Manitoba	55.6	56.0	56.2	56.2	56.5	56.6	85.3	153.0
Regina	140.7	142.7	144.6	146.7	148.8	151.2	10.5	1.45
Saskatoon	126.4	128.0	129.4	130.8	132.2	133.8	7.4	1.14
Total Saskatchewan C.M.A.'s	267.1	270.7	274.0	277.5	281.0	285.0	17.9	1.30
Saskatchewan	926.2	914.0	904.5	899.7	907.4	921.3	-4.9	-0.11
C.M.A.'s as % of Saskatchewan	28.8	29.6	30.3	30.8	31.0	30.9	-	-
Calgary	403.3	414.8	426.2	440.0	454.7	469.9	66.6	3.10
Edmonton	496.0	505.8	515.6	527.8	540.5	554.2	58.2	2.24
Total Alberta C.M.A.'s	899.3	920.6	941.8	967.8	995.2	1,024.1	124.8	2.63
Alberta	1,627.9	1,657.3	1,689.5	1,722.4	1,778.3	1,838.0	210.1	2.46
C.M.A.'s as % of Alberta	55.2	55.5	55.7	56.2	56.0	55.7	59.4	106.9
Vancouver	1,082.4	1,094.4	1,109.0	1,128.8	1,149.5	1,166.3	83.9	1.50
Victoria	195.8	200.2	204.2	209.5	214.3	218.3	22.5	2.20
Total B. C. C.M.A.'s	1,278.2	1,294.6	1,313.2	1,338.3	1,363.8	1,384.6	106.4	1.61
British Columbia	2,184.6	2,241.4	2,302.4	2,375.7	2,433.2	2,466.6	282.0	2.46
C.M.A.'s as % of B. C.	58.5	57.8	57.0	56.3	56.0	56.1	37.7	65.4
Yukon and N.W.T.	53.2	56.8	59.9	60.1	62.5	64.4	11.2	3.89
Total C.M.A.'s in Canada	11,984.4	12,119.8	12,259.7	12,446.5	12,632.0	12,799.0	814.6	1.32
Canada	21,568.3	21,801.5	22,042.8	22,364.0	22,697.1	22,992.6	1,424.3	1.29
Total C.M.A.'s % of Canada	55.6	55.6	55.6	55.7	55.7	55.7	57.2	102.3

1 Ontario portion of the C.M.A. Ottawa-Hull
2 Quebec portion of the C.M.A. Ottawa-Hull

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May 1978

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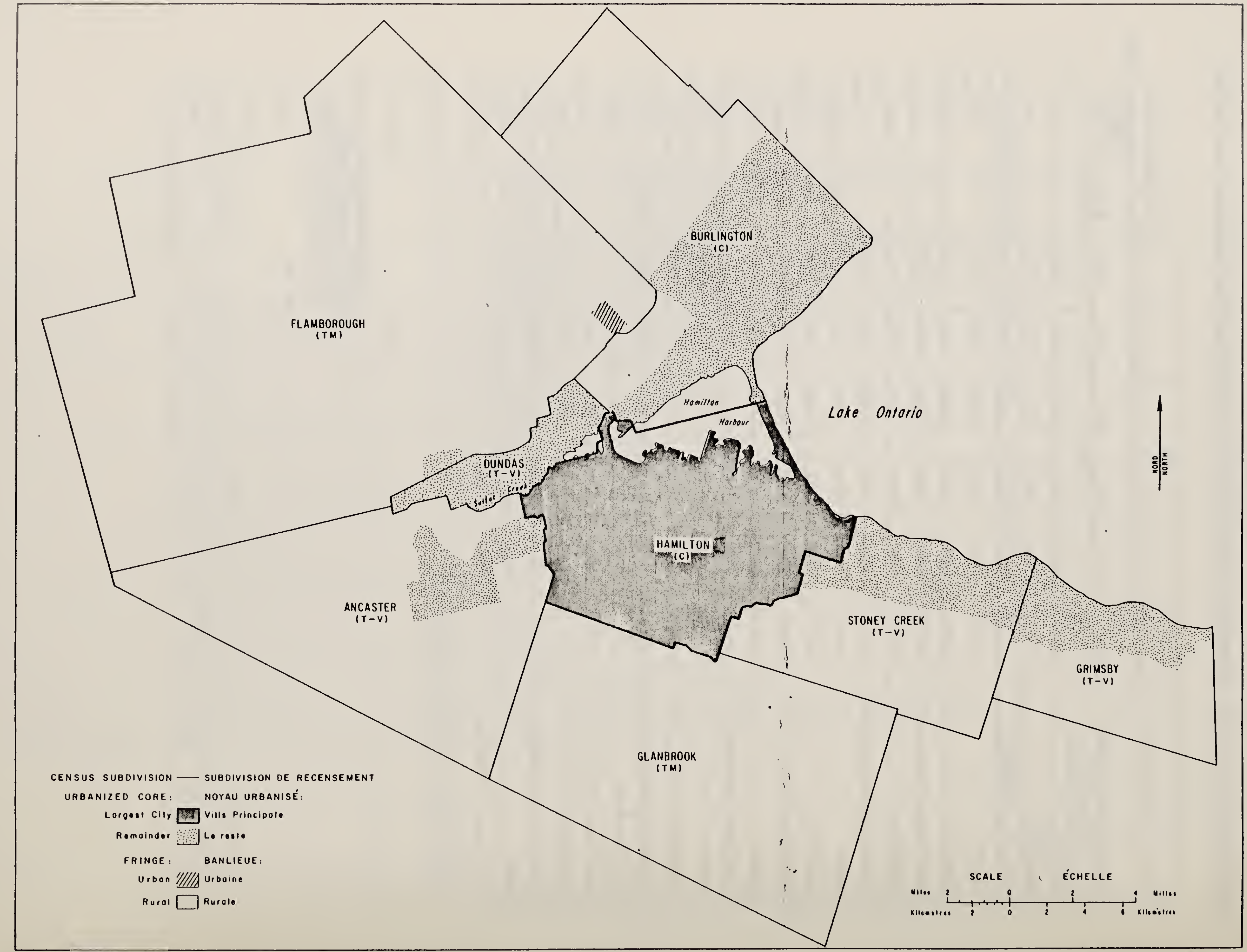
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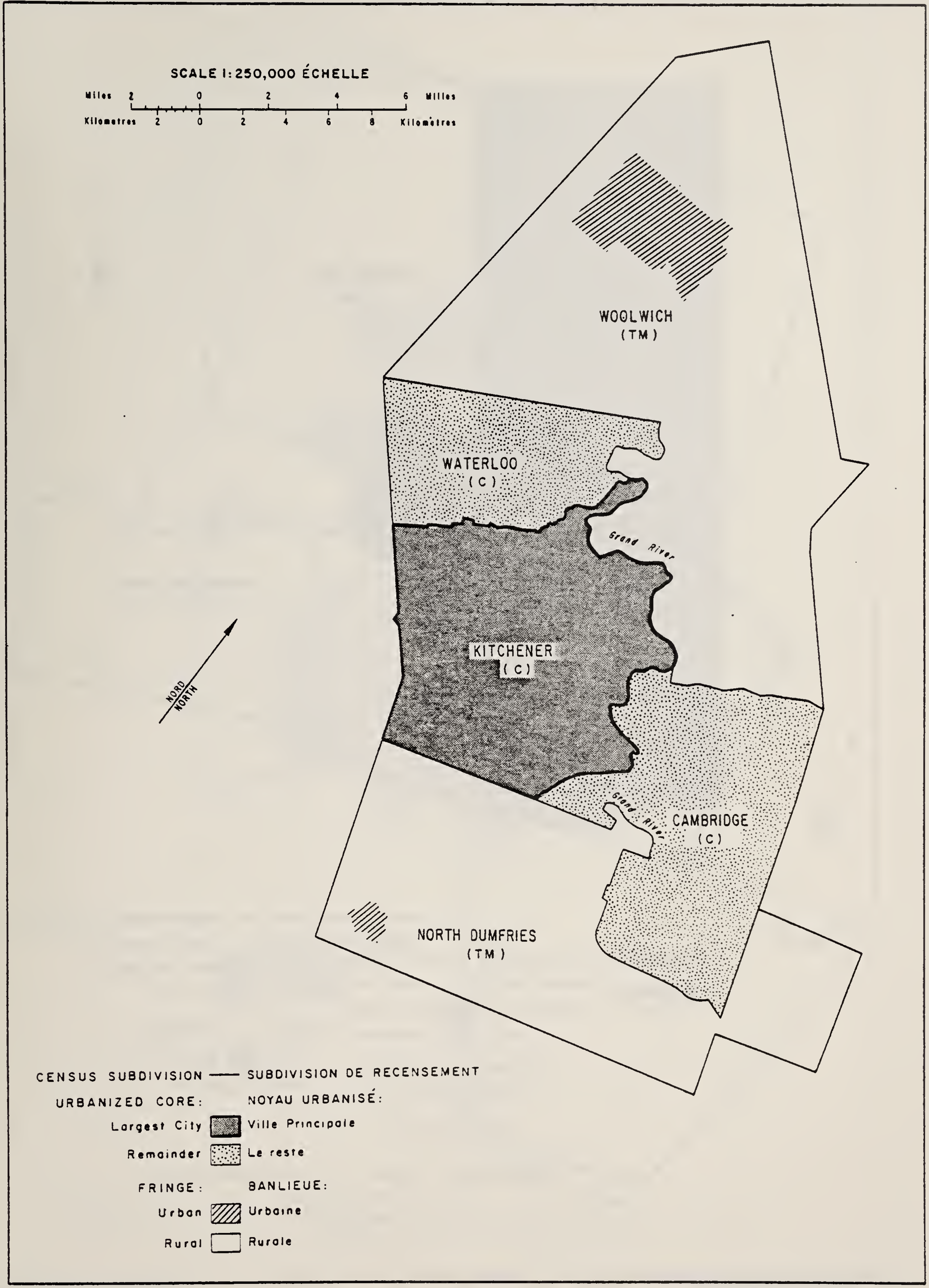
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Grand River
KITCHENER (C)
CAMBRIDGE (C)
Grand River
NORTH DUMFRIES (TM)
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URBANIZED CORE: NOYAU URBANISÉ:
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Remainder Le reste
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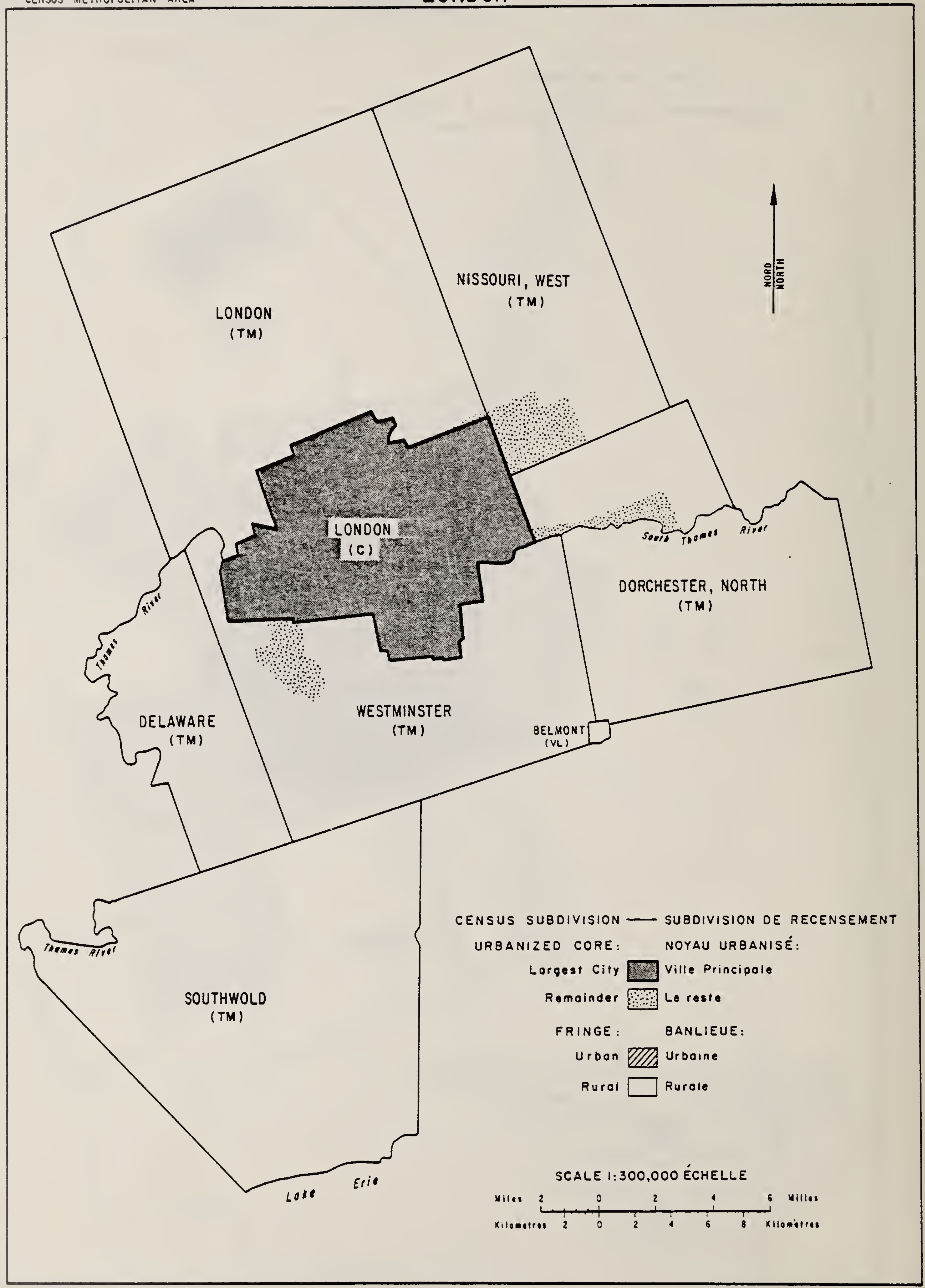

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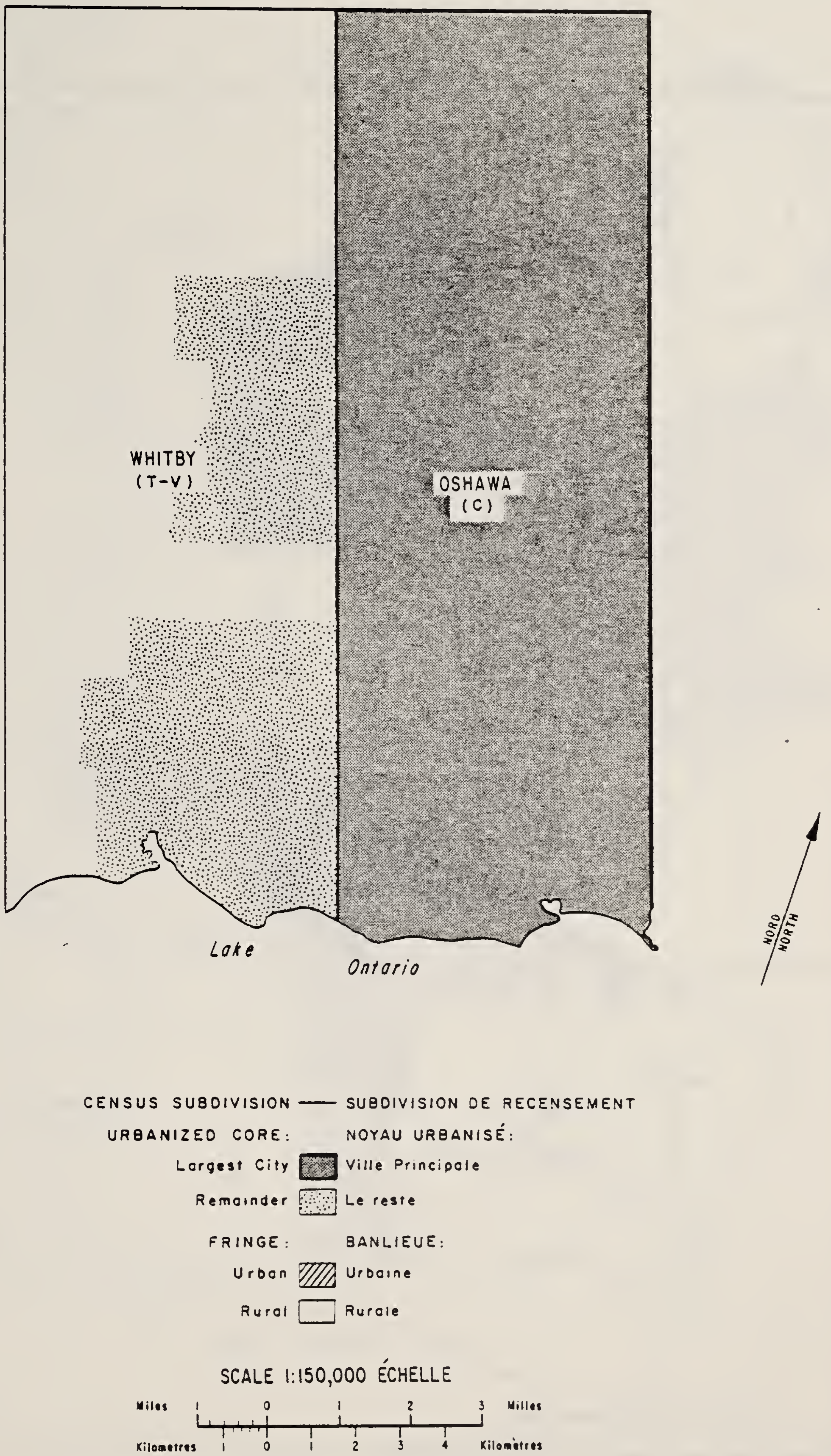

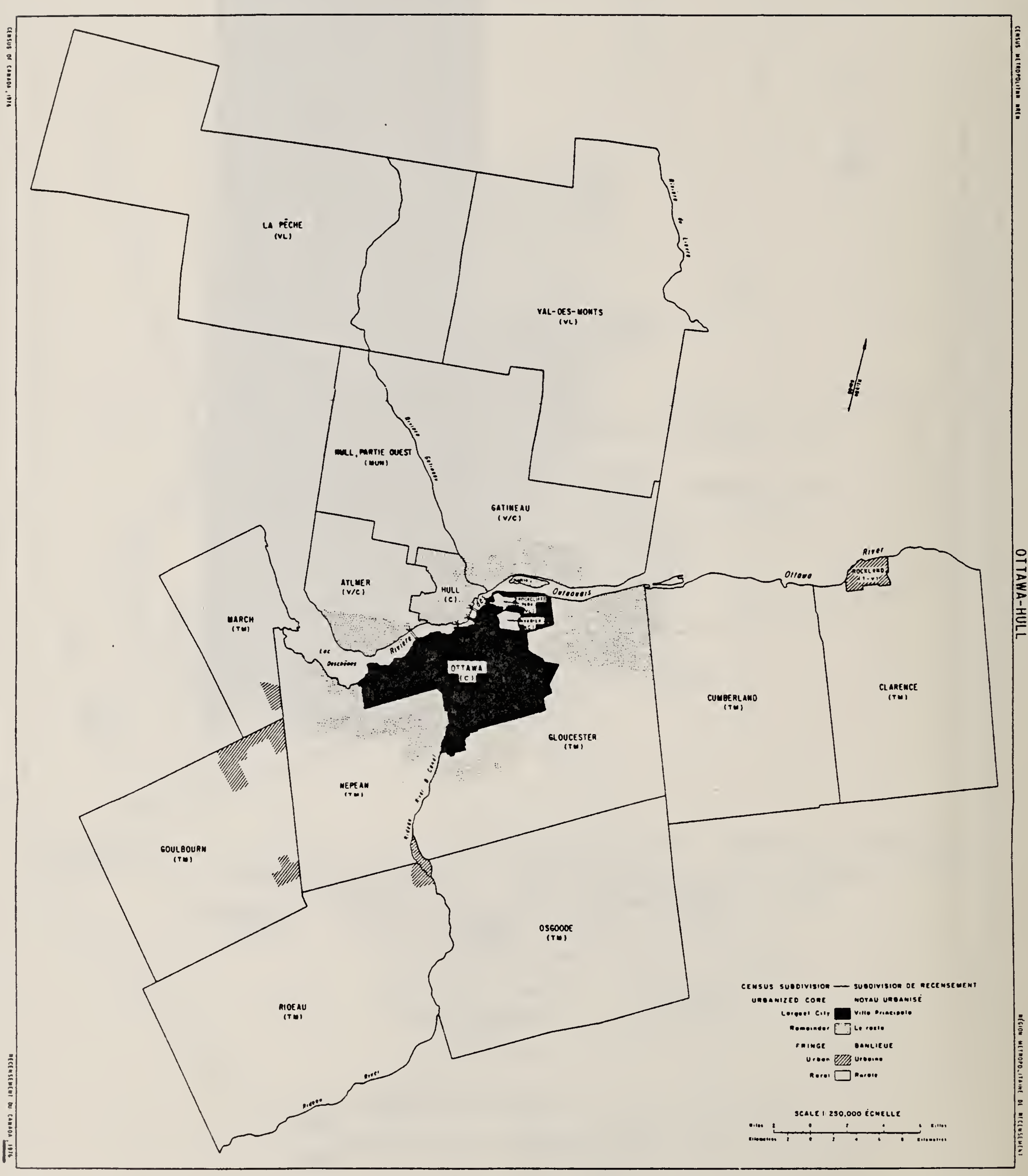
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CENSUS METROPOLITAN AREA
OTTAWA-HULL
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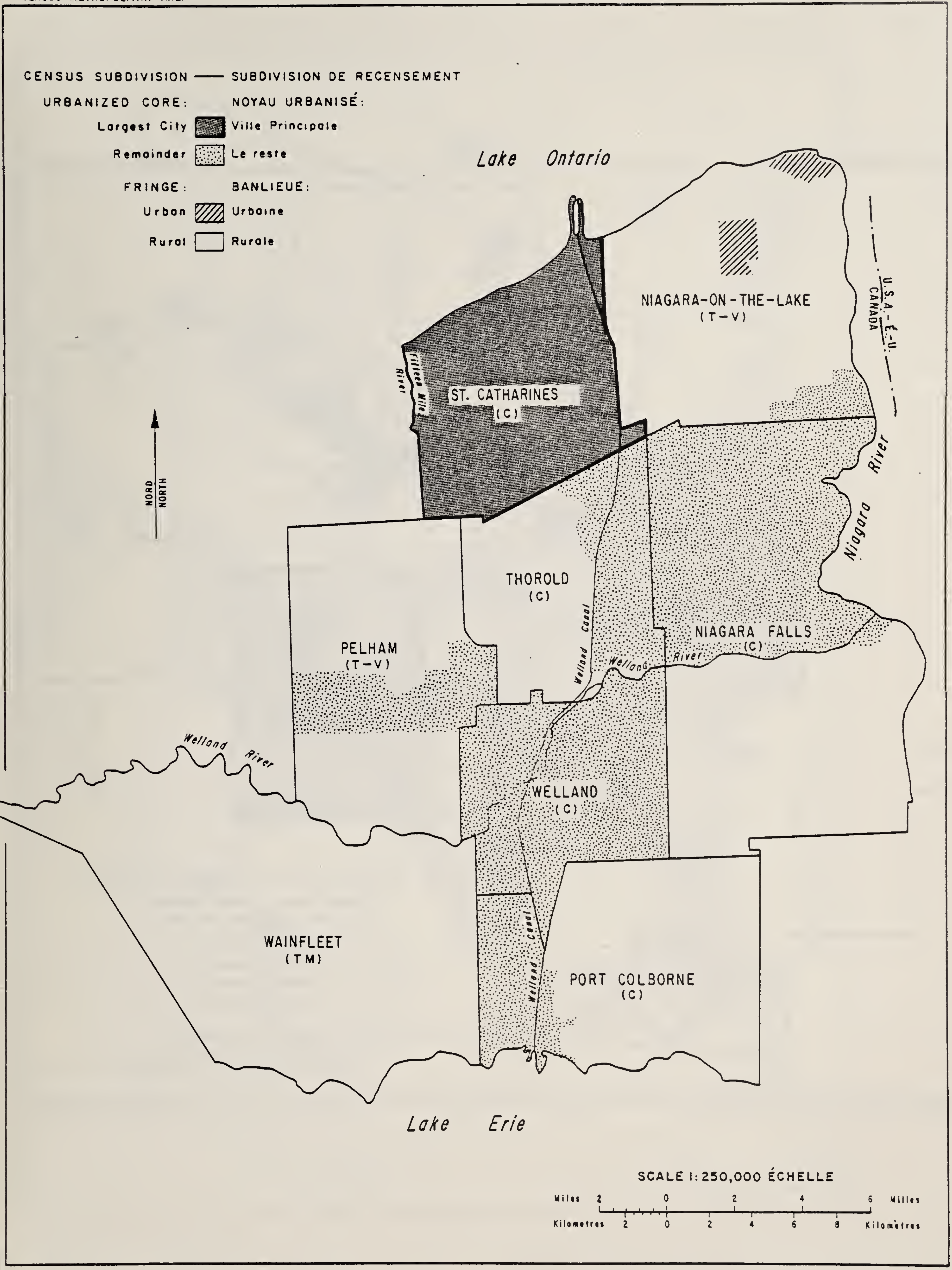

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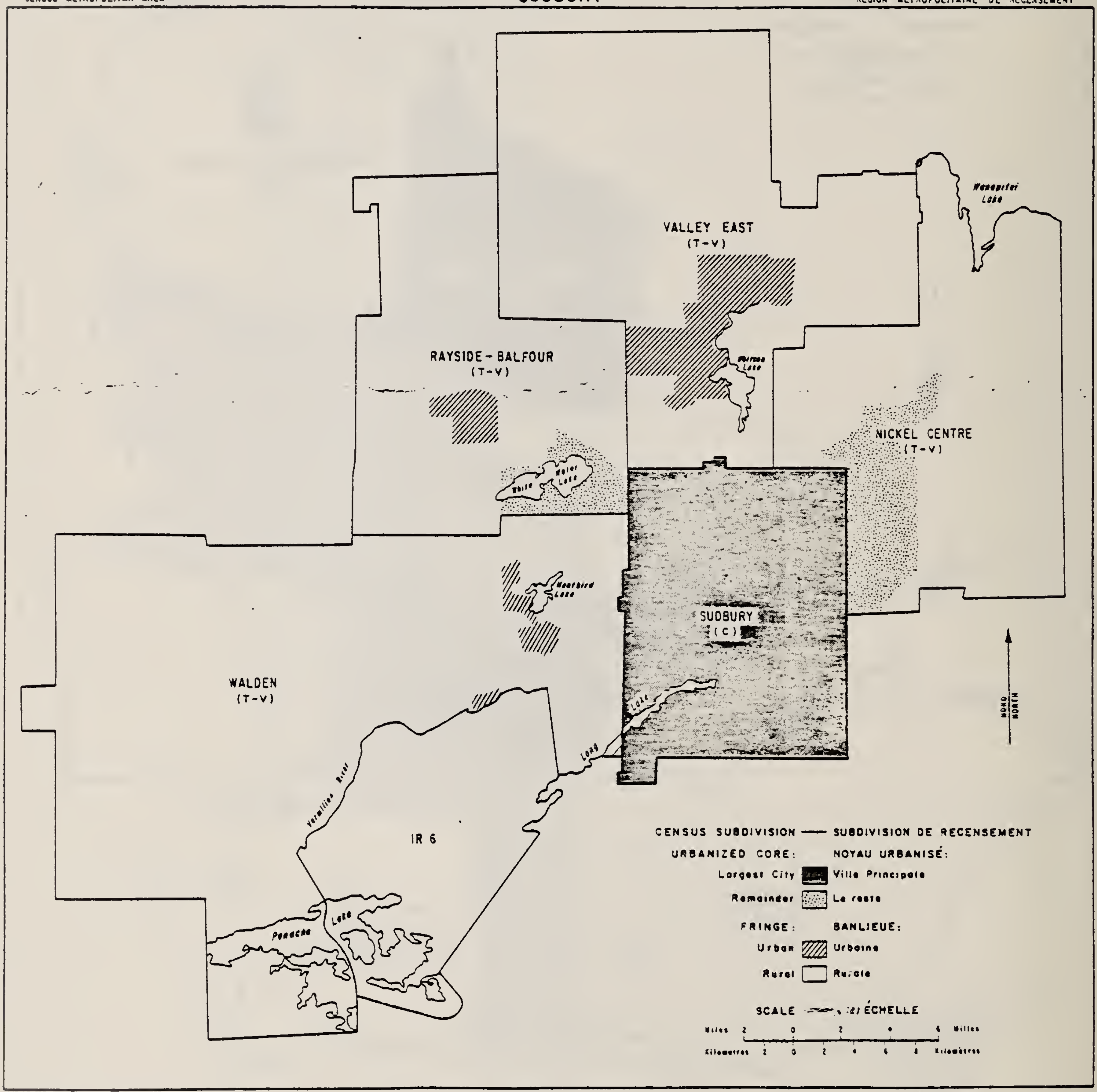

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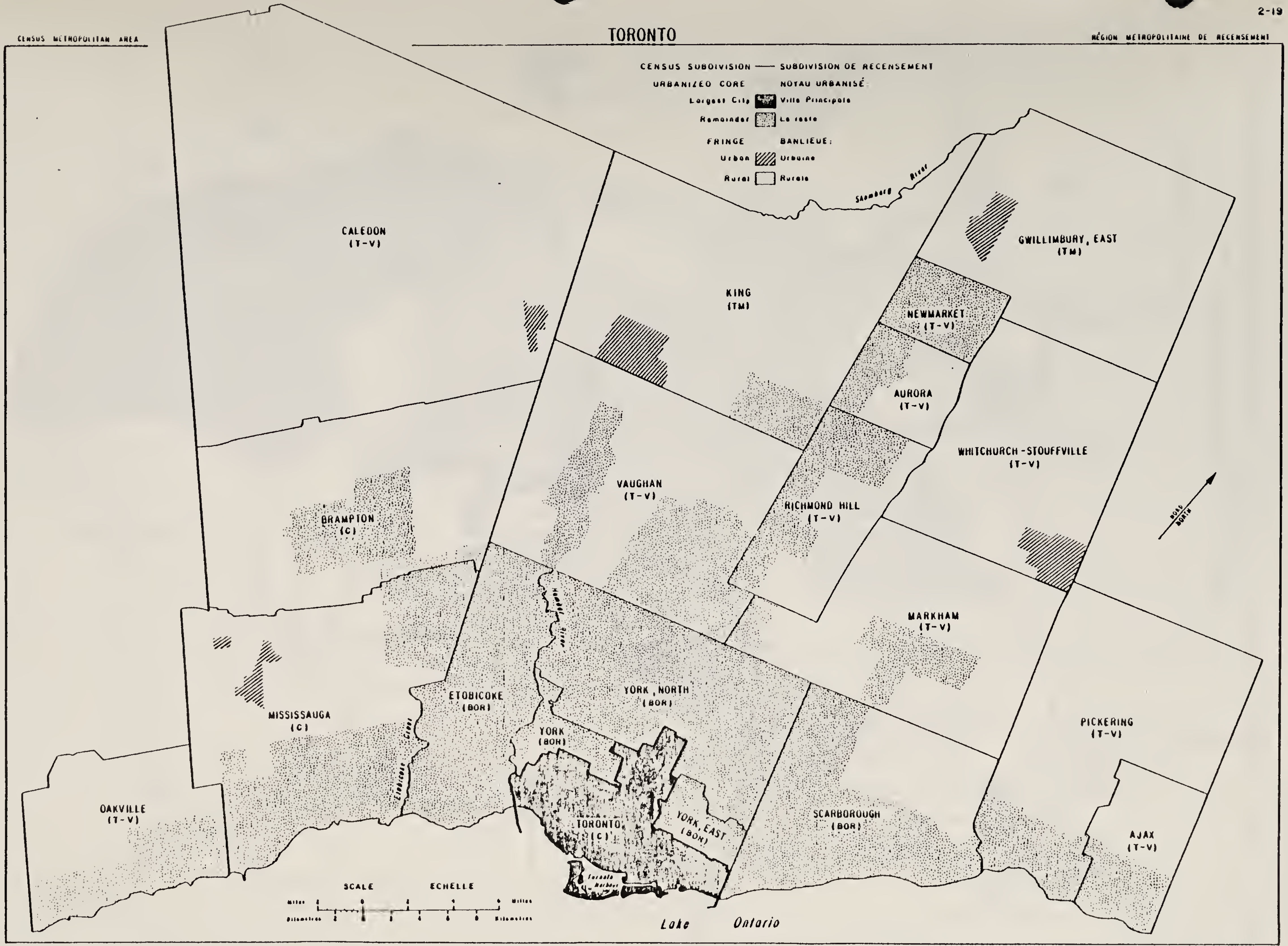

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RECENSEMENT DU CANADA, 1976

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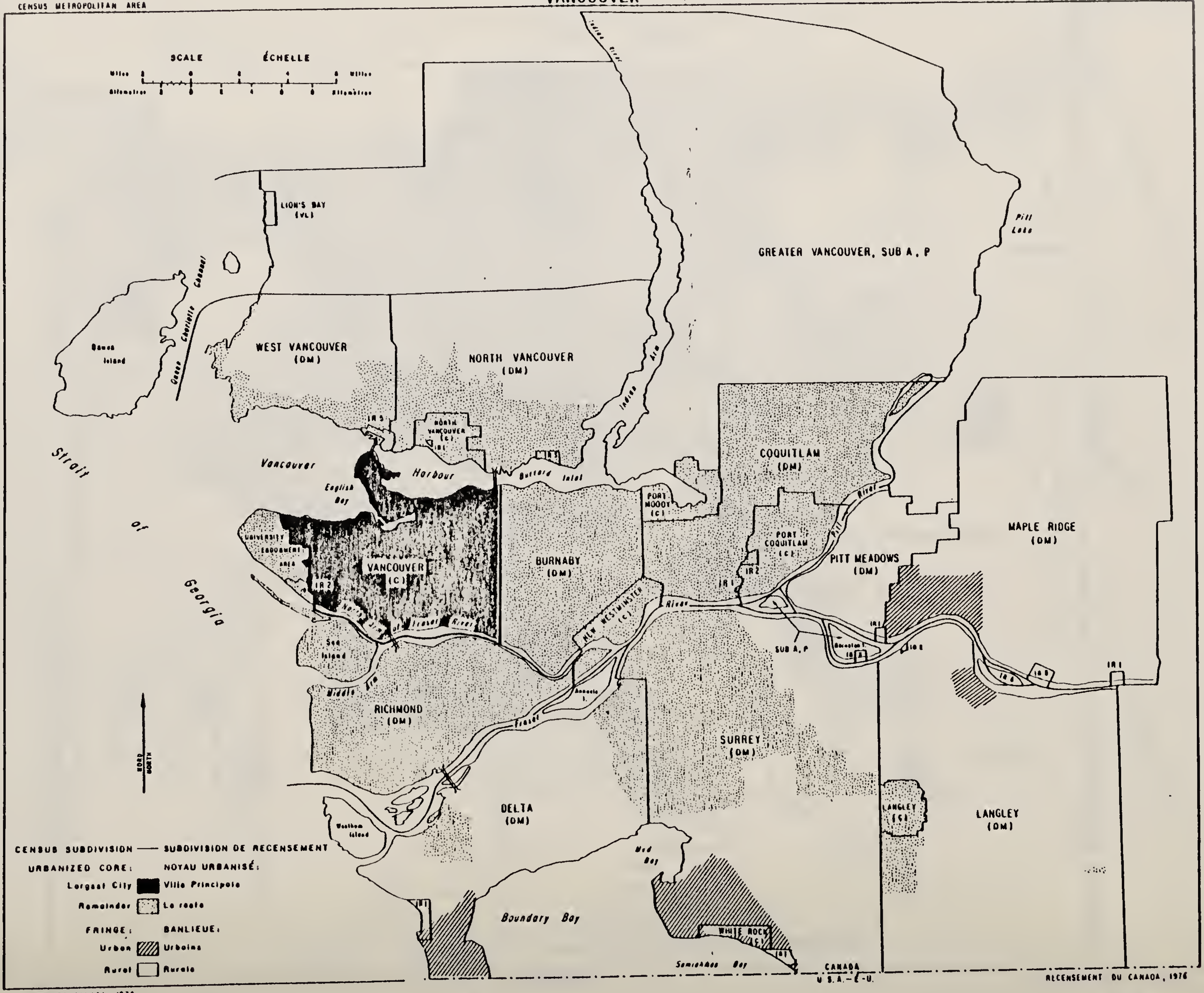

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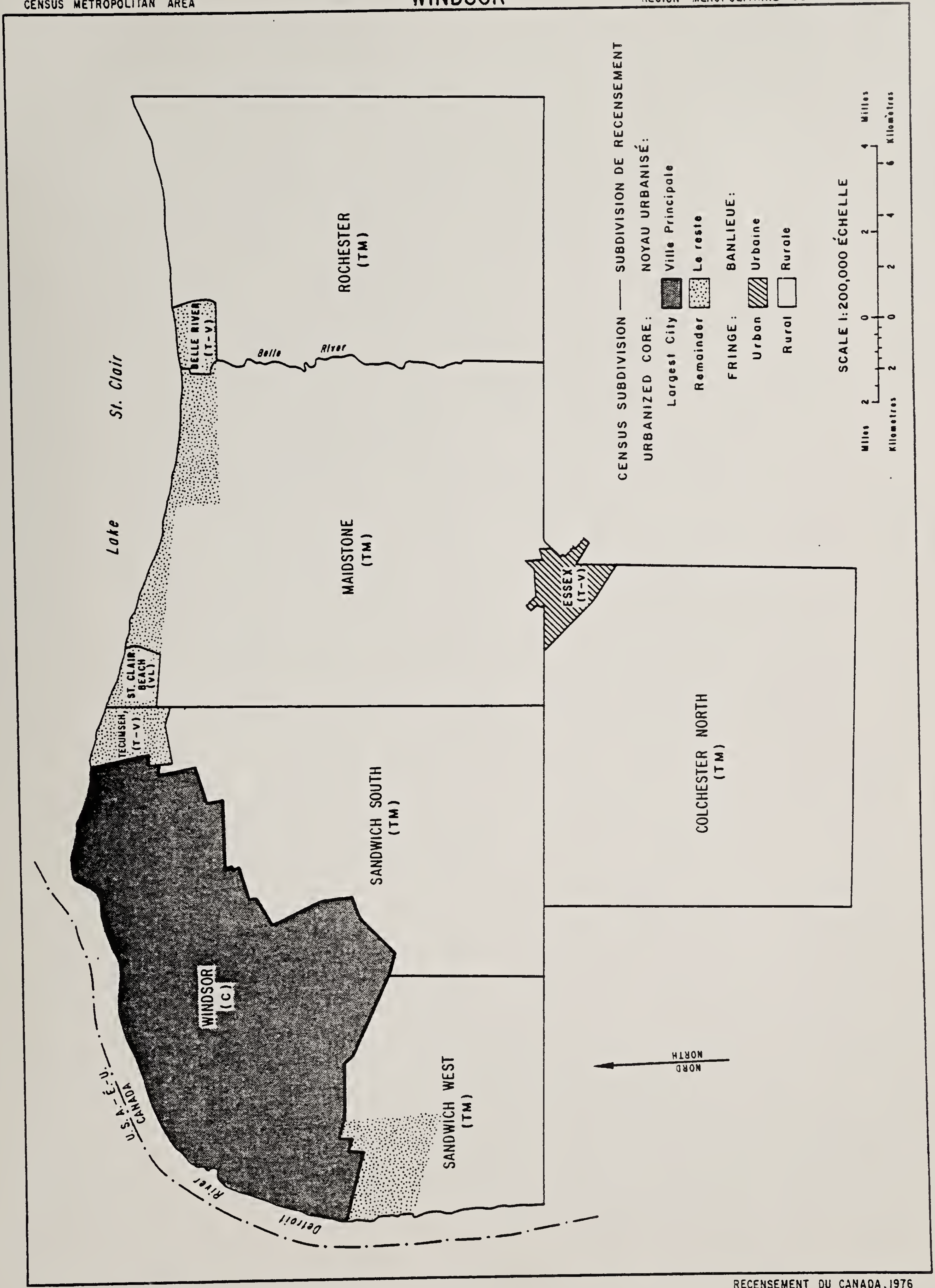

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JUNE 1978

VITAL STATISTICS ONTARIO
INTERPROVINCIAL MIGRATION ESTIMATES
LABOUR FORCE GROWTH IN ONTARIO
1970 - 1977

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DEMOGRAPHIC BULLETIN

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call 965-2217)

ESTIMATED POPULATION FOR ONTARIO

The estimated population in Ontario on May 1, 1978 was 8,468,300.

VITAL STATISTICS, MAY 1978, ONTARIO

BIRTHS in May 1978 recorded an increase over May last year and for the first five months the 51,000 births registered were up 0.6% over the same period last year. However the 12 month period ending May 1978 showed a slight decline from the same period a year ago and the estimated birth rate was 14.5 for 1,000 population down from 14.7 last year.

DEATHS in May 1978 were up over last year and for the first five months the number of recorded deaths was 27,703 an increase of 7.8% over the same period last year. The estimated death rate was 7.4 per 1,000 population as compared to 7.2 last year.

NATURAL INCREASE (the excess of births over deaths) was up over May 1977, but for the first five months of 1978 natural increase was down 6.8% from January-May last year. The estimated natural increase rate per 1,000 population was 7.1 in 1978 as compared to 7.5 in 1977.

MARRIAGES in May were up 3.7% over May last year, and for the first five months the total number of marriages was almost equal to last year. The marriage rate declined to 7.9 per 1,000 population from 8.1 last year.

DIVORCES granted in May were 10.6% less than in May 1977, and for the 12 month period the total was slightly below last year. The divorce rate per 1,000 population in 1978 was 2.2 as compared to 2.3 in 1977.

Marriage and Divorce Rates per 1,000 Population

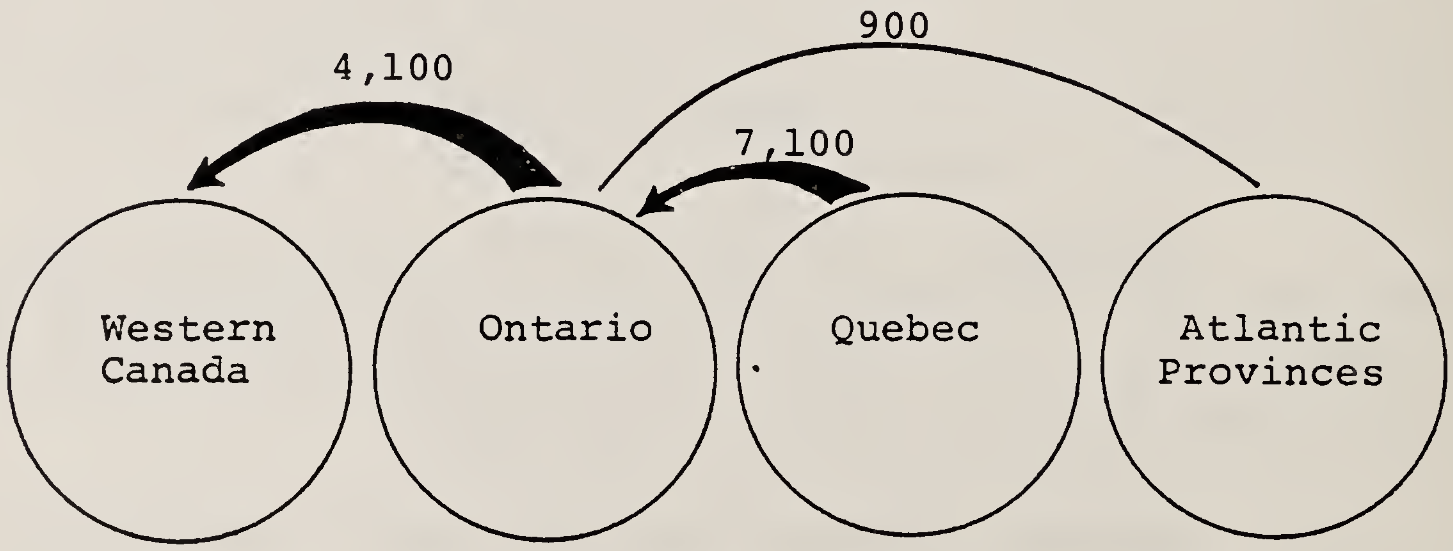
	1978	1977	1978	1977	1976	1975
			12 months ended May			
	Number		per 1,000 population			
Marriages	6,002	5,788	7.9	8.1	8.8	8.9
Divorces	1,498	1,675	2.2	2.3	1.9	1.8

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1978				
April	- 1,300	1,400	-	100
Jan. to April	- 4,100	7,100	900	3,900

4 months 1978



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

Ontario gained only an estimated 97 persons during April 1978 as the outflow of migrants, mainly to Alberta and British Columbia, almost equalled the inmigrants, mainly from Quebec.

The cumulative net migration for the first four months of 1978 showed a net gain of 3,881 persons, as a result of 8,359 persons moving to Ontario (7,094 from Quebec) and 4,478 moving to the western provinces.

LABOUR FORCE GROWTH IN ONTARIO 1970-1977

INTRODUCTION

During the 1960s and 1970s the labour market in Canada and Ontario has changed considerably owing to the large influx of young people and women, particularly married women, into the labour force. This is the result of two significant demographic factors: (1) The "maturation" of the unprecedented births of the late forties and fifties and the high net migration into Ontario which meant that large numbers of young people of working age entered the Ontario labour force, and (2) Declining birth rates in the sixties and seventies which have allowed women the opportunity to work outside the home.

LABOUR FORCE GROWTH, 1970-1977

In 1977, the labour force in Ontario totalled an estimated 4,044 thousand, and was comprised of 2,455 thousand men, and 1,589 thousand women or 39% female. Over the 1970-1977 period, the labour force increased by an estimated 867,000, of which 385,000 were male and 483,000 female. This reflected a steady increase in female participation in the labour force over the period. The female participation rate rose steadily from 41.4% in 1970 to 49.7% in 1977 while the male participation rate varied annually within one percentage point of 80 per cent.

Despite the strong growth in the female labour force, total labour force growth has shown a tendency to slacken off in recent years. In 1976 it increased by 1.9% and in 1977 by 2.9% compared with 4.6% in 1974. This was owing mainly to slower growth in the working age population coupled with the fact that the total participation rate is not rising as it was in the early seventies owing to mixed trends in the various age-sex groups. The working age population in Ontario increased by only 2.3% in 1976 and by 2.1% in 1977. This represents a significant decrease from the rates of growth experienced in preceding years. The decline can be attributed primarily to decreases in foreign immigration into Ontario.

From a peak of 218,465 immigrants in 1974, immigration to Canada declined by 14% in 1975, and again declined by about 20% in 1976 and 23% in 1977. The proportion of foreign immigrants coming to Ontario has also dropped so that the comparable declines for Ontario are more pronounced: 18% in 1975 and 27% in 1976. Immigration to Ontario in 1975 was 98,471 as compared to 120,115 in 1974; in 1976 it was 72,031 and in 1977 had dropped 21% to 56,594. The proportion of immigrants intending to enter the labour force has also been declining since 1973. This proportion fell from 51.5% in that year to about 40% in 1976, and in 1977 was 40.7%.

GROWTH RATES IN WORKING AGE POPULATION AND LABOUR FORCE
BY SEX, 1970-1977
(per cent)

	Population 15+			Labour Force		
	Total	Male	Female	Total	Male	Female
1971/70	3.0	3.1	3.0	3.6	2.0	6.7
1972/71	2.5	2.5	2.6	3.9	3.3	4.9
1973/72	2.6	2.6	2.6	3.9	2.8	5.7
1974/73	3.0	3.1	2.9	4.6	3.5	6.4
1975/74	2.6	2.6	2.6	3.9	2.4	6.2
1976/75	2.3	2.3	2.3	1.9	1.1	3.3
1977/76	2.1	2.1	2.2	2.9	2.2	3.9

The aggregate participation rate declined from 64.2% in 1975 to 64.0% in 1976. This represents a reversal of past trends; in each of the previous four years the rate had increased by almost a full percentage point. In 1977, the participation rate recovered slightly to 64.4% (compared with 64.0% in 1976).

YOUTH

In 1977, the labour force in the 15-24 year age group reached over one million, however, the rate of growth of the working age population and the labour force has slackened off markedly in recent years. The rate of growth in the working age population was around 2.1% in 1976 and 2.0% in 1977 compared with 3% in 1974, while the labour force grew by only 0.8% in 1976 compared with 7.4% in 1974 and 3.4% in 1975.

Labour force participation rates in this age group have shown a tendency to slacken off since 1974. From 1970 to 1974, the participation rate in this age group increased over 7 percentage points from 57.5 to 64.6%, reached 65.1% in 1975, dropped to 64.2% in 1976, and then rose again to 65.5% in 1977. Although the female participation rate in this age group has increased each year, the male rate dropped in 1975 and 1976 (from 70.2 in 1974 to 68.1 in 1976), and then recovered to 69.9% in 1977. This marks a reversal of past trends since the rates for both young males and young females had shown strong annual increases since 1971.

WOMEN

Female labour force continued to show strong growth through 1976 and 1977 although the growth of the female working age population has slowed somewhat to 2.3% in 1976 and 2.2% in 1977. This was attributable to the fact that the participation rate for women continued to rise from 48.4% in 1975 to 49.7% in 1977. Women 25 years of age and over accounted for most of the rise, although their participation rate remained considerably below the rate for women aged 15-24.

MEN (25 years and over)

Labour force growth of males 25 years of age and over has shown a tendency to slow markedly. Although the group's working age population rose by 2.2% in 1976 and by 2.1% in 1977, labour force growth was up by only 1.6% and 1.5% as a result of a continuing drop in the participation rate. The participation rate for this group has been dropping steadily since 1970 and in 1977 reached 83.1% compared with 85.7% in 1970.

Source: Statistics Canada, Labour Force Survey Division
Employment and Immigration Canada
Ontario Region

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

ITEM[1]	MAY				12 MONTHS ENDING WITH MAY						JANUARY - MAY			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
	1978	1977	NUMBER	%	1978	1977	1978	1977	1976	1975	1978	1977	NUMBER	%
Live Births	10,891	10,285	606	5.9	122,790	123,208	14.5	14.7	15.6	15.4	51,019	50,705	314	0.6
Deaths	5,346	5,099	247	4.6	62,653	60,244	7.4	7.2	7.5	7.6	27,703	25,690	2,013	7.8
Natural Increase	5,545	5,186	359	6.9	60,137	62,964	7.1	7.5	8.1	7.8	23,316	25,015	-1,699	-6.8
Marriages	6,002	5,788	214	3.7	67,117	67,565	7.9	8.1	8.8	8.9	19,089	19,091	-2	0.0
Divorces	1,498	1,675	-177	-10.6	18,877	19,043	2.2	2.3	1.9	1.8	7,993	7,885	108	1.4
Population Base[2] (in thousands) as of January 1	-	-	-	-	-	-	8,457	8,355	8,250	8,150	-	-	-	-

SOURCES: 1 Registrar General, Ministry of Consumer and Commercial Relations
2 Statistics Canada: Cat. No. 91-001

Social and Economic Data
Central Statistical Services
Ministry of Treasury, Economics
and Intergovernmental Affairs

June 1978

TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR APRIL AND JANUARY - APRIL, 1978

	APRIL 1978			JANUARY - MARCH 1978			JANUARY - APRIL 1978		
	TRANSFER TO			TRANSFER TO			TRANSFER TO		
BETWEEN ONTARIO AND	CHILDREN	DRIVERS	CUMULATIVE	CHILDREN	DRIVERS	CUMULATIVE	CHILDREN	DRIVERS	CUMULATIVE
Newfoundland	18	16	34	211	144	355	229	160	389
Prince Edward Island	3	-12	-9	-8	100	92	-5	88	83
Nova Scotia	-1	21	20	-9	176	167	-10	197	187
New Brunswick	-11	-46	-57	58	217	275	47	171	218
Quebec	285	1,150	1,435	1,178	4,481	5,659	1,463	5,631	7,094
Manitoba	51	87	138	-10	260	250	41	347	388
Saskatchewan	-9	-40	-49	-47	-9	-56	-56	-49	-105
Alberta	-140	-660	-800	-610	-1,292	-1,902	-750	-1,952	-2,702
British Columbia	-64	-453	-517	-275	-868	-1,143	-339	-1,321	-1,660
Yukon and N. W. Territories	-14	-84	-98	10	77	87	-4	-7	-11
Total Received	118	-21	97	498	3,286	3,784	616	3,265	3,881

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts
Ontario Ministry of Transportation and Communications, Drivers Change of Address

Social and Economic Data
Central Statistical Services
Ministry of Treasury, Economics
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August 1978

TABLE 3

TOTAL WORKING AGE POPULATION AND LABOUR FORCE BY SEX, ONTARIO ANNUAL AVERAGES 1970-1977

(estimates in thousands)

YEAR	POPULATION 15 YEARS +			LABOUR FORCE			PARTICIPATION RATE		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
1970	5,250	2,575	2,673	3,177	2,070	1,106	60.5	80.4	41.4
1971	5,407	2,654	2,752	3,291	2,111	1,180	60.9	79.5	42.9
1972	5,543	2,720	2,823	3,420	2,181	1,238	61.7	80.2	43.9
1973	5,688	2,792	2,896	3,552	2,243	1,309	62.4	80.3	45.2
1974	5,856	2,878	2,979	3,714	2,321	1,393	63.4	80.6	46.8
1975	6,008	2,952	3,056	3,857	2,376	1,480	64.2	80.5	48.4
1976	6,146	3,019	3,127	3,931	2,402	1,529	64.0	79.6	48.9
1977	6,278	3,081	3,197	4,044	2,455	1,589	64.4	79.7	49.7

SOURCE: Statistics Canada, Labour Force Survey Division, Special Tabulation, 1970-1974, Cat. 71-001, 1975-1977.

Social and Economic Data
Central Statistical Services
Ministry of Treasury, Economics
and Intergovernmental Affairs

July 1978

TABLE 4

WORKING AGE POPULATION AND LABOUR FORCE BY MAJOR AGE GROUP AND SEX, ONTARIO ANNUAL AVERAGES 1970-1977

(estimates in thousands)

		POPULATION		LABOUR FORCE		PARTICIPATION RATE	
		15-24	25+	15-24	25+	15-24	25+
1970	Total	1,312	3,938	754	2,423	57.5	61.5
	Male	655	1,920	424	1,646	64.7	85.7
	Female	656	2,017	330	776	50.3	38.5
1971	Total	1,369	4,038	801	2,490	58.5	61.7
	Male	684	1,970	439	1,672	64.2	84.9
	Female	684	2,068	362	818	52.9	39.6
1972	Total	1,394	4,149	843	2,577	60.5	62.1
	Male	699	2,021	467	1,714	66.8	84.8
	Female	695	2,128	376	862	54.1	40.5
1973	Total	1,425	4,263	883	2,669	62.0	62.6
	Male	716	2,076	489	1,754	68.3	84.5
	Female	709	2,187	394	915	55.6	41.8
1974	Total	1,468	4,388	948	2,766	64.6	63.0
	Male	739	2,139	519	1,802	70.2	84.2
	Female	729	2,250	429	964	58.8	42.8
1975	Total	1,506	4,502	980	2,877	65.1	63.9
	Male	758	2,194	531	1,845	70.0	84.1
	Female	747	2,309	448	1,032	60.1	44.7
1976	Total	1,538	4,608	988	2,943	64.2	63.9
	Male	776	2,243	528	1,874	68.1	83.5
	Female	762	2,365	459	1,070	60.3	45.2
1977	Total	1,568	4,710	1,028	3,017	65.5	64.1
	Male	791	2,290	553	1,902	69.9	83.1
	Female	777	2,420	475	1,114	61.1	46.0

SOURCE: Statistics Canada, Labour Force Survey Division, Special Tabulation, 1970-1974, Cat. 71-001, 1975-1977.

Social and Economic Data
Central Statistical Services
Ministry of Treasury, Economics
and Intergovernmental Affairs

July 1978

TABLE 5

ANNUAL GROWTH RATE IN WORKING AGE POPULATION AND LABOUR FORCE, BY MAJOR AGE GROUP AND SEX, ONTARIO, 1970-1977

(PER CENT)

		TOTAL		MALE		FEMALE	
		15-24	25+	15-24	25+	15-24	25+
1971/1970	Population	4.3	2.5	4.4	2.6	4.3	2.5
	Labour Force	6.2	2.8	3.5	1.6	9.7	5.4
1972/1971	Population	1.8	2.7	2.2	2.6	1.6	2.9
	Labour Force	5.2	3.5	6.4	2.5	3.9	5.4
1973/1972	Population	2.2	2.7	2.4	2.7	2.0	2.8
	Labour Force	4.7	3.6	4.7	2.3	4.8	6.1
1974/1973	Population	3.0	2.9	3.2	3.0	2.8	2.9
	Labour Force	7.4	3.6	6.1	2.7	8.9	5.4
1975/1974	Population	2.6	2.6	2.6	2.6	2.5	2.6
	Labour Force	3.4	4.0	2.3	2.4	4.4	7.1
1976/1975	Population	2.1	2.4	2.4	2.2	2.0	2.4
	Labour Force	0.8	2.3	-0.6	1.6	2.5	3.7
1977/1976	Population	2.0	2.2	1.9	2.1	2.0	2.3
	Labour Force	4.0	2.5	4.7	1.5	3.5	4.1

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JULY 1978

VITAL STATISTICS ONTARIO
INTERPROVINCIAL MIGRATION ESTIMATES
THE EFFECT OF DEMOGRAPHIC CHANGE ON SCHOOL ENROLMENT AND THE USE OF SCHOOL FACILITIES IN ONTARIO TO THE YEAR 2001

Ontario

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(for further information call 965-2217)

ESTIMATED POPULATION FOR ONTARIO

The estimated population in Ontario on June 1, 1978 was 8,477,000.

VITAL STATISTICS, JUNE 1978, ONTARIO

BIRTHS in June 1978 were 3.6% less than in June 1977 and for the 12 month period ending June 1978 were 0.6% below the same period a year ago. The estimated birth rate was 14.5 per 1,000 population, down from 14.7 last year.

DEATHS were 3.7% below June last year but for the first six months were up 5.9% over the same period last year. The estimated death rate was 7.4 per 1,000 population as compared to 7.2 last year.

NATURAL INCREASE (the excess of births over deaths) in June 1978 amounted to 5,534, a decline of 3.6% from June last year, and for the six month period, natural increase was 6.2% below the same period last year. During the 12 month period ending in June 1978 natural increase added 59,932 persons to Ontario's population, exactly the same amount as shown for the 12 month period ending with May 1978. The estimated natural increase rate per 1,000 population was 7.1 in 1978 as compared to 7.5 in 1977.

MARRIAGES in June this year were up 2.7% over June last year. However, the marriage rate for 1978 remained the same as in 1977 at 8.0 per 1,000 population.

DIVORCES in June were down from June last year and the divorce rate per 1,000 population was lower than last year - 2.2 in 1978 compared to 2.3 in 1977.

Marriage and Divorce Rates per 1,000 Population

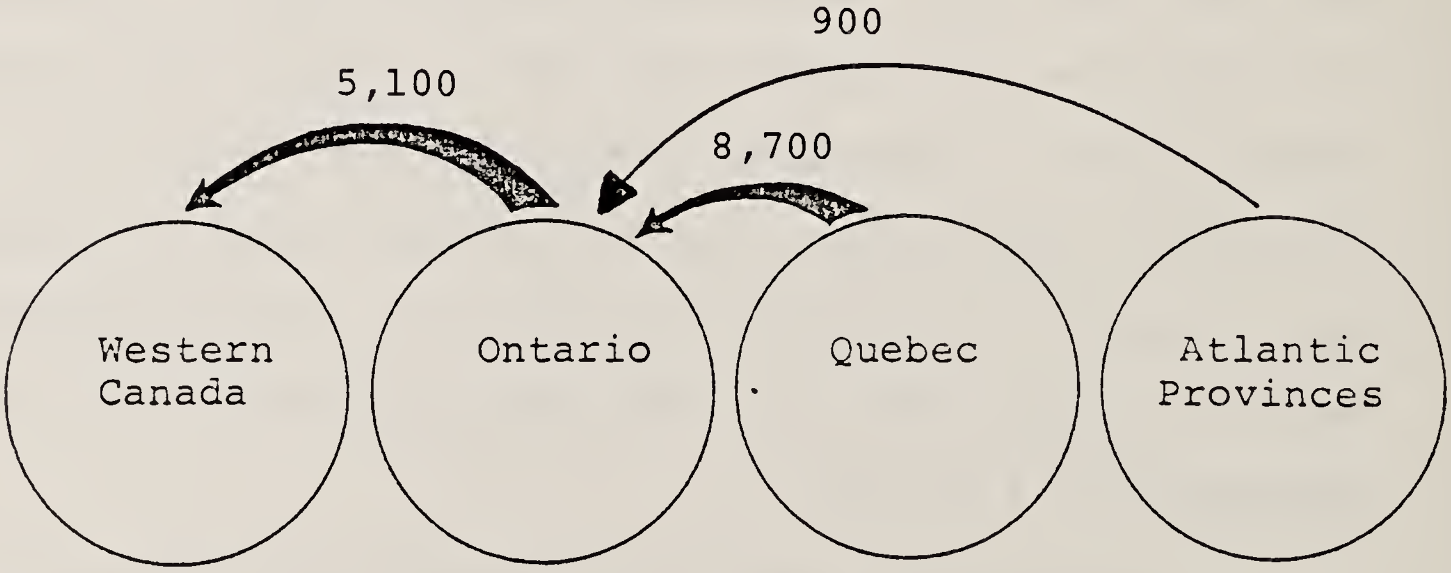
	1978	1977	1978	1977	1976	1975
			12 months ended June			
	Number		per 1,000 population			
Marriages	8,348	8,132	8.0	8.0	8.8	8.9
Divorces	1,499	1,534	2.2	2.3	1.9	1.8

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1978 May	- 1,000	1,600	-	600
Jan. to May	- 5,100	8,700	900	4,500

5 Months 1978



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

During May the estimated net exchange of migrants between Ontario and other regions of Canada indicates a gain of 583 persons, as a result of an inflow of 1,814 inmigrants, mainly from Quebec (1,557) and an outflow of 1,231 migrants, mainly to Alberta and British Columbia (total 1,030).

The cumulative net migration for the first five months of 1978 shows a net gain of 4,464 persons, as a result of 10,094 persons moving to Ontario (8,651 from Quebec) and 5,630 moving to the western provinces (Alberta 3,447, British Columbia 1,945). (See Table 2)

THE EFFECT OF DEMOGRAPHIC CHANGE ON SCHOOL ENROLMENT AND THE USE OF SCHOOL FACILITIES IN ONTARIO TO THE YEAR 2001*

Since World War II, elementary and secondary school enrolments in Ontario have shown a threefold increase. The bulk of the increase was attributable to demographic change with the remaining portion due to changes in education policy, social and economic conditions. Between 1951 and 1970, over 90% of the growth in the elementary school enrolment and about 40% of the growth in the secondary system were due to demographic change.

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* For further details, see The Effect of Demographic Change on Enrolment and Use of School Facilities in Ontario to the Year 2001. A Report Prepared by the Ministry of Treasury, Economics and Intergovernmental Affairs for the Commission on Declining School Enrolments in Ontario (CODE), April, 1978.

Of the three demographic components, the effect of births on enrolment was much greater than migration. On average, the number of new births per year in the past was about four to five times that of the number of children gained from interprovincial and international migration.

In the past few years, in spite of the increase in the number of immigrant children, kindergarten pupils and women of child-bearing age, the change in the fertility rate was so dramatic that it caused a reversal in the elementary school enrolment trend. Because of the age factor, the same effect will be felt in the secondary schools in the next few years.

Looking to the future, it is likely that fertility will continue to decline because of changes in social attitudes, availability of effective birth control measures, and shortening of the female reproductive period. Decreasing fertility is not new and has occurred in other developed countries as well. On the assumption that the present fertility rate will continue to decline to 1.6 births/woman and with 50,000 annual net migration to Ontario, elementary enrolment in the province is expected to continue to decline until the early 1980s (by about 8%) before the trend reverses again. However, the anticipated rise will be very moderate and the peak which is expected to occur in about 1996 is still below the present enrolment level (by about 4%).

The bulk of the enrolment increase will take place in about a dozen areas, mainly in Central Ontario. Apart from two or three locations, the rest of southwestern, eastern, and northern Ontario is expected to experience continued enrolment declines. For some of the counties, the decline could amount to 30 - 40% between now and the turn of the century.

A pattern similar to that for elementary schools is displayed by the secondary enrolment trends. However, the decline is likely to be more extensive, both in territory and in degree than that in the elementary schools. Enrolment is expected to decline by about 17% between 1976 and 1991 before the trend will reverse. However, the projected provincial enrolment in 2001 will still be more than 10% below the present level.

The enrolment decline in elementary and secondary schools has a number of important implications for the planning of educational facilities, manpower, post-secondary education, and government expenditure. In the area of facilities planning, over two-fifths of all the elementary schools and a fifth of all the secondary schools in Ontario were operating at 75% or less of their capacity in 1975. In the light of the projected enrolment level, it is expected that except in a few locales, the existing school facilities in Ontario should be sufficient to accommodate the projected level of enrolment for the balance of the century.

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

	JUNE				12 MONTHS ENDING WITH JUNE						JANUARY - JUNE			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
ITEM[1]	1978	1977	NUMBER	%	1978	1977	1978	1977	1976	1975	1978	1977	NUMBER	%
Live Births	10,676	11,077	-401	-3.6	122,389	123,075	14.5	14.7	15.6	15.4	61,695	61,782	-87	-0.1
Deaths	5,142	5,338	-196	-3.7	62,457	60,316	7.4	7.2	7.5	7.6	32,845	31,028	+1,817	+5.9
Natural Increase	5,534	5,739	-205	-3.6	59,932	62,759	7.1	7.5	8.1	7.8	28,850	30,754	-1,904	-6.2
Marriages	8,348	8,132	+216	+2.7	67,333	66,605	8.0	8.0	8.8	8.9	27,437	27,223	+214	+0.8
Divorces	1,499	1,534	-35	-2.3	18,842	19,018	2.2	2.3	1.9	1.8	9,492	9,419	+73	+0.8
Population Base[2] (in thousands) as of April 1	-	-	-	-	-	-	8,457	8,355	8,250	8,150	-	-	-	-

SOURCE: 1 Registrar General, Ministry of Consumer and Commercial Relations
2 Statistics Canada: Cat. No 91-001

Social and Economic Data
Central Statistical Services
Ministry of Treasury and Economics

July 1978

TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR MAY AND JANUARY-MAY, 1978

	MAY 1978			JANUARY - APRIL 1978			JANUARY - MAY 1978		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
BETWEEN ONTARIO AND	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE
Newfoundland	-10	40	30	229	160	389	219	200	419
Prince Edward Island	-12	-6	-18	-5	88	83	-17	82	65
Nova Scotia	-18	-43	-61	-10	197	187	-28	154	126
New Brunswick	15	50	65	47	171	218	62	221	283
Quebec	312	1,245	1,557	1,463	5,631	7,094	1,775	6,876	8,651
Manitoba	-13	175	162	41	347	388	28	522	550
Saskatchewan	-9	-34	-43	-56	-49	-105	-65	-83	-148
Alberta	-295	-450	-745	-750	-1,952	-2,702	-1,045	-2,402	-3,447
British Columbia	-146	-139	-285	-339	-1,321	-1,660	-485	-1,460	-1,945
Yukon and N. W. Territories	-18	-61	-79	-4	-7	-11	-22	-68	-90
Total Received	-194	777	583	616	3,265	3,881	422	4,042	4,464

*Preliminary Estimates

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts
Ontario Ministry of Transportation and Communications, Drivers Change of Address

Social and Economic Data
Central Statistical Services
Ministry of Treasury and Economics

July 1978

TABLE 3

THE MOST LIKELY POPULATION, ELEMENTARY AND SECONDARY SCHOOL ENROLMENT TRENDS, (PROJECTION IV) ONTARIO, 1981 TO 2001

YEAR	POPULATION IN MILLIONS			PROJECTED ENROLMENT	
	AGES 5-14	AGES 15-19	ALL AGE GROUPS (AGES 0 TO 85 PLUS)	ELEMENTARY	SECONDARY
1976	1.47 M	0.81 M	8.26 M	1.36 M	0.61 M
1981	1.32 M	0.82 M	8.93 M	1.25 M	0.58 M
1986	1.33 M	0.68 M	9.52 M	1.26 M	0.51 M
1991	1.36 M	0.67 M	10.08 M	1.29 M	0.51 M
1996	1.37 M	0.69 M	10.60 M	1.30 M	0.53 M
2001	1.34 M	0.70 M	11.00 M	1.27 M	0.54 M

NOTE: M - Million

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Census of Population, Statistics Canada, Ontario Data
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DEMOGRAPHIC BULLETIN
AUGUST 1978

VITAL STATISTICS ONTARIO
INTERPROVINCIAL MIGRATION ESTIMATES
SOME REGIONAL ASPECTS OF IMMIGRATION TO ONTARIO

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ESTIMATED POPULATION FOR ONTARIO

The estimated population in Ontario on July 1, 1978 was 8,484,000.

VITAL STATISTICS, JULY 1978, ONTARIO

BIRTHS in July 1978 were 10% less than in July 1977 and for the 12 month period ending July 1978 were 1.1% below the same period a year ago. The estimated birth rate was 14.4 per 1,000 population, down from 14.7 last year.

DEATHS were 7.5% below July last year but for the first seven months were up 4.1% over the same period last year. The estimated death rate was 7.3 per 1,000 population as compared to 7.2 last year.

NATURAL INCREASE (the excess of births over deaths) in July 1978 amounted to 4,517, a decline of 12.3% from July last year, and for the seven month period, natural increase was 7.1% below the same period last year. During the 12 month period ending July 1978 natural increase added 59,296 persons to Ontario's population as compared to 62,321 for the same period ending with July 1977, a decline of 4.9%.

MARRIAGES celebrated in July were up substantially over July last year and during the first seven months showed a 3.2% increase over the same period last year. The marriage rate in 1978 stood at 8.1 per 1,000 population as compared to 7.9 in 1977.

DIVORCES granted in July were up 1.7% over July last year and for the seven month period the total was slightly higher than last year. However for the 12 month period ending with July 1978, the total was 2.6% below last year and the divorce rate was 2.2 as compared to 2.3 in 1977.

Marriage and Divorce Rates per 1,000 Population

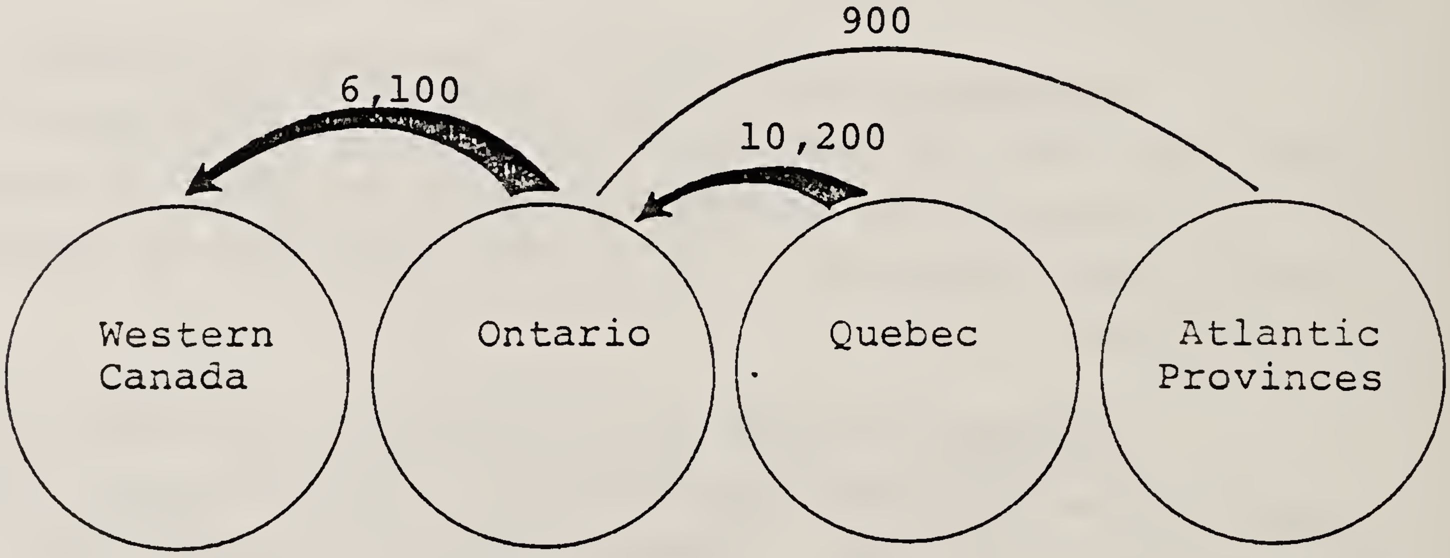
	1978	1977	1978	1977	1976	1975
			12 months ended June			
	Number		per 1,000 population			
Marriages	7,997	7,120	8.1	7.9	8.8	8.9
Divorces	1,998	1,965	2.2	2.3	1.9	1.8

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1978				
June	- 1,000	1,500	-	500
Jan. to June	- 6,100	10,200	900	5,000

6 Months 1978



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

During June the estimated net exchange of migrants between Ontario and other regions of Canada indicates a gain of 500 persons. There was an inflow of 1,728 migrants (mainly from Quebec, 1,537) and an outflow of 1,220, mainly to Alberta and British Columbia (total 1,076).

The cumulative net migration for the first six months of 1978 shows a net gain of almost 5,000 persons, as a result of 11,780 persons moving to Ontario (10,188 from Quebec) and 6,808 moving to the western provinces. (See Table 2).

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

	JULY				12 MONTHS ENDING WITH JULY						JANUARY-JULY			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
ITEM[1]	1978	1977	NUMBER	%	1978	1977	1978	1977	1976	1975	1978	1977	NUMBER	%
Live Births	8,905	9,897	-992	-10.0	121,397	122,753	14.4	14.7	15.6	15.4	70,600	71,679	-1,079	-1.5
Deaths	4,388	4,744	-356	-7.5	62,101	60,432	7.3	7.2	7.5	7.6	37,233	35,772	1,461	4.1
Natural Increase	4,517	5,153	-636	-12.3	59,296	62,321	7.0	7.5	8.1	7.8	33,367	35,907	-2,540	-7.1
Marriages	7,997	7,120	877	+12.3	68,210	66,359	8.1	7.9	8.8	8.9	35,434	34,343	1,091	3.2
Divorces	1,998	1,965	33	+1.7	18,875	19,378	2.2	2.3	1.9	1.8	11,490	11,384	106	0.9
Population Base[2] (in thousands) as of April 1	-	-	-	-	-	-	8,457	8,355	8,250	8,150	-	-	-	-

SOURCES: 1 Registrar General, Ministry of Consumer and Commercial Relations
2 Statistics Canada: Cat. No. 91-001

Social and Economic Data
Central Statistical Services
Ministry of Treasury and Economics

August 1978

TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR JUNE AND JANUARY-JUNE, 1978

	JUNE 1978			JANUARY - MAY 1978			JANUARY - JUNE 1978		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
BETWEEN ONTARIO AND	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE
Newfoundland	-38	48	10	219	200	419	181	248	429
Prince Edward Island	-6	-14	-20	-17	82	65	-23	68	45
Nova Scotia	-1	-21	-22	-28	154	126	-29	133	104
New Brunswick	-13	13	0	62	221	283	49	234	283
Quebec	416	1,121	1,537	1,775	6,876	8,651	2,191	7,997	10,188
Manitoba	-35	216	181	28	522	550	-7	738	731
Saskatchewan	-23	-23	-46	-65	-83	-148	-88	-106	-194
Alberta	-214	-503	-717	-1,045	-2,402	-3,447	-1,259	-2,905	-4,164
British Columbia	-141	-218	-359	-485	-1,460	-1,945	-626	-1,678	-2,304
Yukon and N. W. Territories	3	-59	-56	-22	-68	-90	-19	-127	-146
Total Received	-52	560	508	422	4,042	4,464	370	4,602	4,972

*Preliminary Estimates

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts.
Ontario Ministry of Transportation and Communications, Drivers Change of Address.

Social and Economic Data
Central Statistical Services
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August 1978

SOME REGIONAL ASPECTS OF IMMIGRATION TO ONTARIO

Immigration has been an important factor in shaping the economic, social and cultural development of Ontario. In the period from 1951 to 1977, more than 2.1 million immigrants have arrived in the Province. However, it is only in recent years that intercensal statistics have been available for the destination of immigrants within the Province. This analysis, therefore, provides some useful information on the role that immigration has played in the regional distribution of population in Ontario.

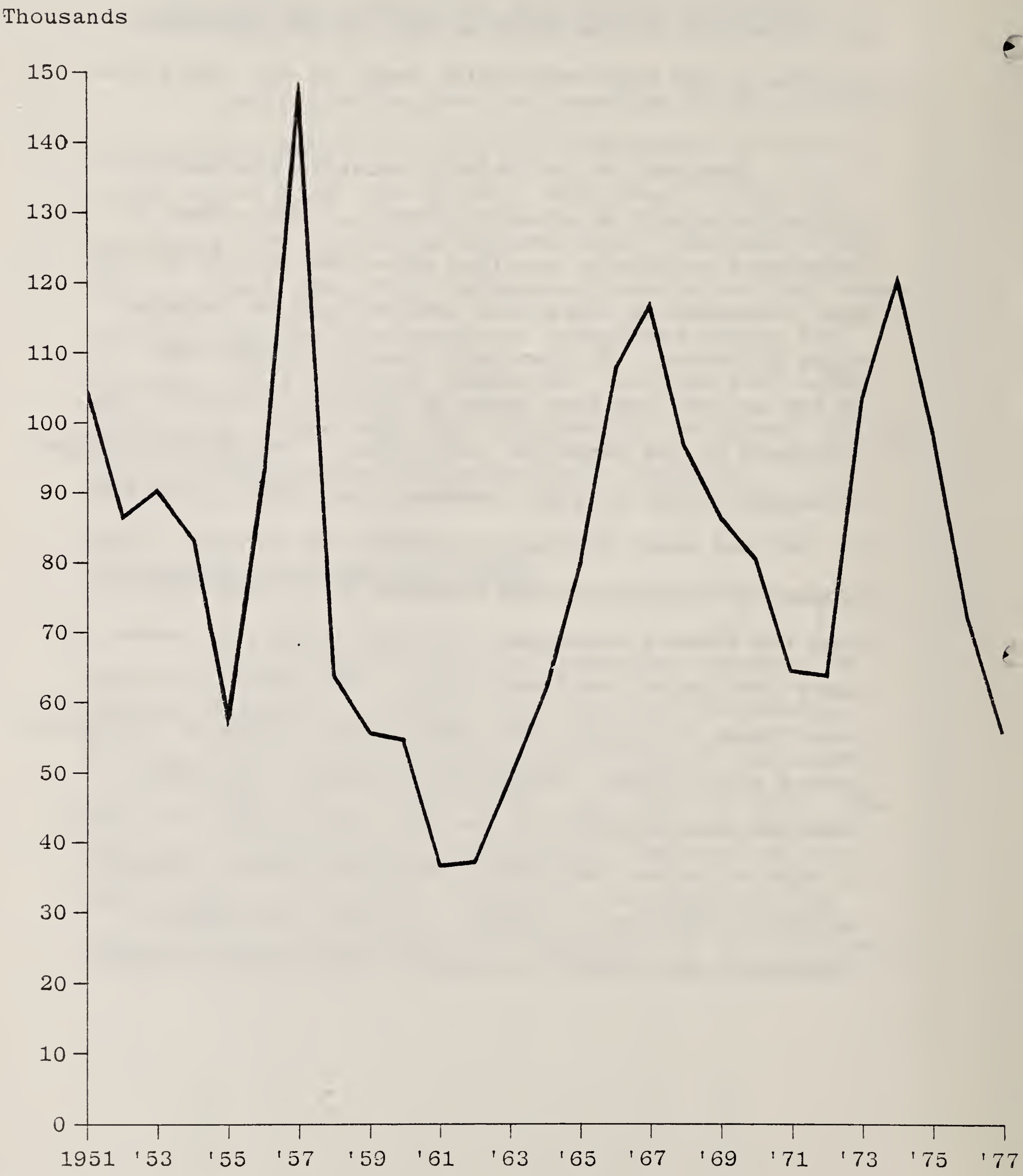
Immigration and Population Growth

Immigration has been an important component of population growth in Ontario over the last two decades. The proportion of foreign born in the Province has risen from 18.5 per cent in 1951 to 22.2 per cent in 1971. The increase in the relative importance of immigration as a determinant of population growth is the result of the dramatic rise in the number of immigrants in the 1960s and the first half of the 1970s as well as the pronounced decline in the birth rate which began in the late 1950s.

Immigration is a highly volatile component of population growth as shown in Chart 1. The number of immigrants to Ontario totalled more than 104,000 in 1951 when thousands of immigrants arrived from the refugee camps in Europe. It then fell sharply to less than 58,000 in 1955 but rose again to 147,000 in 1957 in the aftermath of the Hungarian revolution. Immigration dropped to around 36,000 in 1961, reached a new peak of 117,000 in 1967 and again dropped to another low in 1972. Large numbers of immigrants were recorded in 1973 and 1974 when the federal government allowed visitors in Canada to apply for landed immigrant status. The flow of refugees from Uganda and Chile also added to the number of immigrants during this period. Immigration, however, has again declined substantially in the last three years as a result of more stringent immigration policies and the worsening economic condition in Canada. In 1977, the number of immigrants who arrived in Ontario totalled only 55,900.

CHART 1

ONTARIO: NUMBER OF IMMIGRANTS, 1951-1977



Source: Canada Employment and Immigration Commission/Department, Immigration Statistics, 1951-1977

The impact of foreign migration on the expansion of regional population in Ontario from 1961 to 1971 is indicated in Table 1. During the decade, total population in the Central Region grew by 1,102,000 while its foreign born population increased by 328,000 or some 30 per cent of growth in the Region. Immigrants in Eastern and Southwestern Ontario contributed about 14 per cent of the population growth in each of the two Regions. Northern Ontario, however, suffered a net loss in its foreign born population and, as result, growth in the Region slowed down considerably during the decade.

Table 1

Immigration and Regional Population Growth in Ontario, 1961 to 1971

Region	1961-1971 Change (000) Total Population	1961-1971 Change (000) Foreign Born Population	Foreign Born as % of Population Change
Eastern Ontario	150	22	14.7
Central Ontario	1102	328	29.8
Southwestern Ontario	160	23	14.4
Northeastern Ontario	47	-10	-21.3
Northwestern Ontario	8	- 9	-112.5
Total Ontario	1467	354	24.1

Source: Census of Canada

Regional Distribution of Immigrants

Ontario has consistently attracted about half of all immigrants to Canada and of the total that come to Ontario about 60 per cent settle in C.M.A. Toronto, while another 14 per cent go to Hamilton, London, Ottawa and Windsor. The proportion of immigrants going to most cities in Ontario has been relatively

(C.M.A. Census Metropolitan Area)

consistent over the last decade with the notable exception of Hamilton where there has been a steady decline in the proportion of immigrants. Another, if somewhat less pronounced trend, is the rise in the proportion of immigrants going to Ottawa. In 1977 Ottawa was the second most popular city of destination in the Province.

TABLE 2

PERCENTAGE DISTRIBUTION OF ONTARIO IMMIGRANTS BY CITY OF DESTINATION, 1968 TO 1977

CITY OF DESTINATION	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Brantford	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.5	0.4	0.4
Cambridge	0.5	0.6	0.6	0.9	1.2	0.8	0.9	0.6	0.7	0.7
Guelph	0.7	0.8	0.8	0.7	0.7	0.7	0.6	0.7	0.7	0.8
Hamilton	5.5	4.8	4.6	4.5	4.3	3.8	3.8	3.6	3.5	3.1
Kingston	1.1	1.2	1.1	1.0	1.1	0.8	0.7	0.6	0.5	0.5
Kitchener	1.6	1.4	1.5	1.3	1.4	1.5	1.6	1.7	1.7	1.4
London	3.0	3.2	3.2	2.7	3.0	2.6	2.5	2.3	2.2	2.6
Niagara Falls	1.0	0.7	0.6	0.6	0.6	0.5	0.5	0.4	0.5	0.5
Oshawa	1.2	0.9	0.8	0.8	0.9	0.9	0.7	0.7	0.7	0.9
Ottawa	4.6	5.1	4.7	5.1	5.2	4.5	4.5	4.2	5.5	5.6
Peterborough	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
St. Catharines	0.7	0.7	0.6	0.7	1.4	0.9	0.7	0.8	0.8	1.2
Sarnia	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
Sault Ste. Marie	0.6	0.6	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
Sudbury	0.9	0.9	0.9	1.0	0.6	0.4	0.4	0.4	0.4	0.4
Toronto	56.6	53.2	55.2	54.5	55.1	62.6	62.4	61.4	60.9	62.1
Thunder Bay	0.8	0.6	0.4	0.5	0.7	0.5	0.4	0.5	0.6	0.6
Windsor	2.8	2.7	2.7	2.6	2.6	2.1	2.1	1.8	2.0	2.5
Other Localities	17.3	21.3	20.9	21.7	19.7	15.9	16.6	18.9	17.6	15.4
Total Ontario	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

NOTE: Figures may not add due to rounding.

SOURCE: Canada Employment and Immigration Commission/Department, Immigration and Demographic Policy (computer terminal retrieval through ANSSIR, Health and Welfare Canada) 1978.

Origin of Immigrants

European immigrants have contributed far more than any other group to Ontario's population but Table 3 reveals a dramatic shift in movement according to source area over the last fifteen years. The proportion of immigrants from Europe has declined sharply from 80 per cent in the first half of the 1960s to only 44 per cent in the first half of the 1970s. British immigration which was an important source of European immigrants throughout the period has also been markedly lower in recent years. The shift has been accompanied by a striking increase in immigration from Asia and the Caribbean and to a lesser extent from Africa and Central and South America. The contribution of the United States has remained fairly steady throughout the three periods. Immigration figures for 1976 indicate a continuation of these trends.

Table 3

Percentage Distribution of Ontario Immigrants by Source Area, 1961-1976

	1961-1965	1966-1970	1971-1975	1976
Europe excluding Britain	51.1	42.7	26.7	19.0
Britain	28.8	27.8	17.1	15.6
Africa	1.3	1.5	4.3	5.3
Asia	3.8	9.1	20.4	27.7
America excluding USA	1.8	2.4	7.8	9.7
United States	10.1	8.5	10.2	8.7
Caribbean	1.8	6.0	12.1	12.8
Others	1.3	2.0	1.4	1.2
TOTAL	100.0	100.0	100.0	100.0

Source: Canada Employment and Immigration Commission/Department, Immigration Statistics, 1961-1976.

The 1977 origin of immigrants moving into Ontario cities is shown in Table 4. European immigrants constituted more than 40 per cent of the total that settled in the various cities except in Oshawa, Ottawa, Sudbury and Toronto which attracted a higher proportion of immigrants from other parts of the world.

TABLE 4

PERCENTAGE DISTRIBUTION OF IMMIGRANTS TO ONTARIO CITIES BY SOURCE AREA OF LAST PERMANENT RESIDENCE, 1977

CITIES	EUROPE	AFRICA	ASIA	AMERICAS	CARIBBEAN	OTHERS	TOTAL
Brantford	55.2	2.3	27.6	12.2	1.8	0.9	100.0
Cambridge	65.0	6.1	14.2	12.0	2.0	0.7	100.0
Guelph	45.5	3.8	22.9	19.7	4.9	3.1	100.0
Hamilton	56.8	3.5	19.3	11.9	7.7	0.9	100.0
Kingston	45.9	4.3	21.4	22.1	5.3	1.1	100.0
Kitchener	51.8	7.3	15.3	16.1	9.3	0.3	100.0
London	49.1	6.6	22.6	13.5	6.2	2.0	100.0
Niagara Falls	47.6	4.9	14.6	31.3	1.7	0.0	100.0
Oshawa	35.8	5.0	17.6	20.4	19.8	1.4	100.0
Ottawa	34.7	6.1	35.8	11.4	10.6	1.4	100.0
Peterborough	50.0	11.5	13.5	18.8	5.2	1.0	100.0
Sarnia	53.1	7.0	10.9	24.7	3.2	1.1	100.0
St. Catharines	68.6	1.5	9.9	15.0	4.1	1.0	100.0
Sault Ste. Marie	44.4	3.5	10.4	36.1	5.5	0.0	100.0
Sudbury	31.3	11.2	21.0	27.7	8.5	0.4	100.0
Thunder Bay	52.0	4.4	18.2	21.3	2.2	1.9	100.0
Toronto	31.3	6.0	28.4	16.1	17.1	1.1	100.0
Windsor	44.2	3.0	27.6	21.4	3.2	0.5	100.0
Other Localities	45.4	4.1	15.6	23.8	10.1	1.1	100.0
Total Ontario	37.0	5.5	25.3	17.3	13.8	1.1	100.0

NOTE: Figures may not add due to rounding.

SOURCE: Canada Employment and Immigration Commission/Department, Immigration and Demographic Policy (computer terminal retrieval through ANSSIR, Health and Welfare Canada) 1978.

Age and Sex Distribution

The number of female immigrants coming into Ontario has been higher than the number of male immigrants in three of the four periods reviewed. The age composition has been relatively stable over the years with those in the prime working age from 20 to 44 years constituting more than half of total immigrants. The 1976 age distribution, however, indicates a higher proportion of dependent immigrants (age 65 and over). This reflects the more stringent immigration regulations presently applied in Canada which reduces the number of immigrants in the labour force age groups.

Table 5
Age and Sex Distribution of Ontario Immigrants, 1961 - 1976

	1961-1965	1966-1970	1971-1975	1976
Sex				
Male	48.1	50.5	49.9	47.5
Female	51.9	49.5	50.1	52.5
Total	100.0	100.0	100.0	100.0
Age				
0-19	32.8	30.8	32.0	34.5
20-44	56.1	59.8	57.0	49.0
45-64	8.4	7.2	8.1	11.3
65+	2.7	2.2	2.9	5.2
Total	100.0	100.0	100.0	100.0

Source: Canada Employment and Immigration Commission/Department, Immigration Statistics, 1961-1976.

As shown in Table 6 all cities except Ottawa received a higher proportion of female immigrants in 1977. The age distribution of immigrants did not vary very much among cities although the proportion of immigrants in the prime working age group going to Oshawa was only 41.8 per cent compared with 56.7 for Thunder Bay.

TABLE 6

AGE AND SEX DISTRIBUTION OF IMMIGRANTS TO ONTARIO CITIES, 1977 (IN PER CENT)

	SEX			AGE GROUPS				
CITIES	MALE	FEMALE	TOTAL	0-19	20-44	45-64	65+	TOTAL
Brantford	45.7	54.3	100.0	28.5	54.8	10.9	5.9	100.0
Cambridge	47.7	52.3	100.0	33.3	46.0	13.4	7.3	100.0
Guelph	48.0	52.0	100.0	35.7	52.9	8.1	3.4	100.0
Hamilton	46.0	54.0	100.0	33.0	49.3	12.0	5.8	100.0
Kingston	47.3	52.7	100.0	27.0	52.7	14.6	5.7	100.0
Kitchener	47.3	52.7	100.0	31.2	51.6	10.4	6.9	100.0
London	47.7	52.3	100.0	34.4	50.3	9.4	5.9	100.0
Niagara Falls	47.9	52.1	100.0	32.6	47.6	12.8	6.9	100.0
Oshawa	48.7	51.3	100.0	38.2	41.8	15.6	4.4	100.0
Ottawa	51.6	48.4	100.0	31.3	54.5	10.1	4.1	100.0
Peterborough	41.7	58.3	100.0	33.3	41.7	16.7	8.3	100.0
St. Catharines	49.5	50.5	100.0	35.7	50.9	9.3	4.1	100.0
Sarnia	46.1	53.9	100.0	35.4	50.1	11.3	3.2	100.0
Sault Ste. Marie	40.3	59.7	100.0	36.8	47.9	11.1	4.2	100.0
Sudbury	42.4	57.6	100.0	27.7	55.4	11.2	5.8	100.0
Toronto	46.5	53.5	100.0	34.1	47.8	12.3	5.7	100.0
Thunder Bay	48.9	51.1	100.0	30.7	56.7	8.8	3.8	100.0
Windsor	46.3	53.7	100.0	30.1	52.1	10.7	7.0	100.0
Other Localities	47.3	52.7	100.0	36.1	46.5	11.7	5.6	100.0
Total Ontario	47.0	53.0	100.0	34.1	48.4	11.9	5.6	100.0

NOTE: Figures may not add due to rounding.

SOURCE: Canada Employment and Immigration Commission/Department, Immigration and Demographic Policy (computer terminal retrieval through ANSSIR, Health and Welfare Canada) 1978.

Occupation of Immigrants

From 1961 to 1976, over 620,000 immigrants or about half of all immigrants arriving in Ontario intended to join the labour force. Immigration statistics provide detailed information on the intended occupations of these immigrants but it should be emphasized that these are intended, and not actual occupations. Language problems and licensing and certification regulations often prevent an immigrant worker from being employed in his intended occupation. Nevertheless, the distribution of immigrants by broad categories of intended occupation do provide an insight into the nature of their skills and training.

The largest concentration of immigrant workers between 1961 and 1973 has been in managerial, professional and technical occupations followed closely by manufacturing, mechanical occupations and clerical and sales workers. While the proportions in these occupations have not changed greatly over the period, there has been a sharp decline in the labouring occupation and a noticeable decrease in the proportion of primary and construction industry workers.

Table 7

Percentage Distribution of Ontario Immigrant Workers By Intended Occupation, 1961-1973

Occupation	1961-1965	1966-1970	1971-1973
Managerial, Professional and Technical	21.0	26.9	25.9
Clerical and Sales	17.1	18.0	20.6
Service and Recreation	12.4	9.3	11.6
Primary Industries	4.7	3.3	3.5
Manufacturing and Mechanical	22.6	24.5	22.3
Construction	9.0	9.4	7.1
Transportation and Communication	1.5	1.3	1.4
Labourers	11.3	5.9	2.8
Not Stated	0.4	1.4	4.8
Total	100.0	100.0	100.0

Note: The 1974-1977 occupational breakdown are not strictly comparable with data of previous years because of classification changes introduced in 1973.

Source: Canada Employment and Immigration Commission/Department, Immigration Statistics, 1961-1973.

The occupational distribution of immigrant workers who were destined for various cities in Ontario in 1977 is shown in Table 8. Immigration to Kingston, Ottawa, Peterborough and Sudbury was heavily weighted towards the professionally qualified while immigrants to Brantford, Cambridge, Kitchener, Sault Ste. Marie and Windsor were predominantly in the manufacturing and machinery occupations. A large proportion of immigrant workers in Sarnia wanted employment in the construction industry.

TABLE 8

PERCENTAGE DISTRIBUTION OF IMMIGRANTS TO ONTARIO CITIES BY INTENDED OCCUPATION, 1977

CITY OF DESTINATION	MANAGERIAL PROFESSIONAL AND TECHNICAL	CLERICAL AND SALES	SERVICE AND RECREATION	PRIMARY INDUSTRIES	PROCESSING MACHINERY AND PRODUCT FABRICATING	CONSTRUCTION	OTHERS	TOTAL
Brantford	22.4	22.4	7.1	3.5	34.1	9.4	1.2	100.0
Cambridge	14.1	21.5	5.2	9.6	35.6	8.9	5.2	100.0
Guelph	30.6	24.7	9.4	2.9	27.6	3.5	1.2	100.0
Hamilton	28.7	21.8	7.2	2.3	26.0	11.4	2.6	100.0
Kingston	41.5	18.9	9.4	1.9	17.9	9.4	0.9	100.0
Kitchener	23.5	16.3	8.7	3.8	35.6	8.7	3.5	100.0
London	29.8	18.0	12.3	1.8	25.7	10.7	1.8	100.0
Niagara Falls	25.4	22.8	11.4	8.8	17.5	9.6	4.4	100.0
Oshawa	28.4	20.2	10.9	2.2	21.9	15.8	0.5	100.0
Ottawa	33.6	20.3	19.5	1.0	18.6	5.1	2.0	100.0
Peterborough	38.9	30.6	16.7	0.0	8.3	5.6	0.0	100.0
St. Catharines	22.8	20.1	6.2	1.5	37.8	8.1	3.5	100.0
Sarnia	24.6	15.8	8.2	2.2	25.7	22.4	1.1	100.0
Sault Ste. Marie	22.0	17.1	14.6	4.9	34.1	7.3	0.0	100.0
Sudbury	37.0	18.5	21.0	3.7	12.3	4.9	2.5	100.0
Thunder Bay	29.7	13.8	9.4	5.3	26.1	12.3	2.9	100.0
Toronto	30.6	26.8	11.1	1.6	20.7	6.2	2.9	100.0
Windsor	24.0	18.6	8.7	1.1	38.2	7.0	2.4	100.0
Other Localities	28.4	21.7	9.3	8.4	21.1	8.8	2.3	100.0
Total Ontario	29.9	24.3	11.1	2.8	22.1	7.2	2.6	100.0

NOTE: Figures may not add due to rounding.

SOURCE: Canada Employment and Immigration Commission/Department, Immigration and Demographic Policy (computer terminal retrieval through ANSSIR, Health and Welfare Canada) 1978.

TABLE A-1

ONTARIO: IMMIGRATION BY CITY OF DESTINATION, 1968-1977

CITY OF DESTINATION	1968		1969		1970		1971		1972	
	NUMBER	PER CENT	NUMBER	PER CENT	NUMBER	PER CENT	NUMBER	PER CENT	NUMBER	PER CENT
Brantford	308	0.36	349	0.40	326	0.40	170	0.27	235	0.36
Cambridge	407	0.47	495	0.57	517	0.64	604	0.95	760	1.17
Guelph	576	0.67	684	0.78	618	0.76	421	0.66	477	0.73
Hamilton	4,746	5.50	4,194	4.80	3,702	4.57	2,875	4.50	2,792	4.29
Kingston	924	1.07	1,081	1.24	928	1.15	652	1.02	694	1.07
Kitchener	1,411	1.63	1,247	1.43	1,214	1.50	829	1.30	944	1.45
London	2,556	2.96	2,784	3.19	2,566	3.17	1,709	2.68	1,924	2.96
Niagara Falls	838	0.97	636	0.73	446	0.55	354	0.55	396	0.61
Oshawa	1,078	1.25	744	0.85	616	0.76	497	0.78	561	0.86
Ottawa	4,018	4.65	4,477	5.13	3,797	4.68	3,246	5.08	3,366	5.17
Peterborough	172	0.20	207	0.24	170	0.21	158	0.25	206	0.32
St. Catharines	566	0.66	618	0.71	526	0.65	467	0.73	927	1.43
Sarnia	577	0.67	640	0.73	430	0.53	330	0.52	333	0.51
Sault Ste. Marie	484	0.56	501	0.57	295	0.36	282	0.44	252	0.39
Sudbury	774	0.90	775	0.89	711	0.88	629	0.98	415	0.64
Toronto	48,882	56.64	46,410	53.16	44,727	55.18	34,775	54.47	35,861	55.13
Thunder Bay	677	0.78	496	0.57	332	0.41	308	0.48	445	0.68
Windsor	2,380	2.76	2,378	2.72	2,208	2.72	1,670	2.62	1,671	2.57
Other Localities	14,931	17.30	18,593	21.29	16,922	20.88	13,866	21.72	12,791	19.66
Total, Ontario	86,305	100.00	87,309	100.00	81,051	100.00	63,842	100.00	65,050	100.00

ONTARIO: IMMIGRATION BY CITY OF DESTINATION, 1968-1977 (CONT'D)

CITY OF DESTINATION	1973		1974		1975		1976		1977	
	NUMBER	PER CENT	NUMBER	PER CENT	NUMBER	PER CENT	NUMBER	PER CENT	NUMBER	PER CENT
Brantford	411	0.39	652	0.55	446	0.45	309	0.44	221	0.40
Cambridge	854	0.82	1,046	0.88	634	0.64	506	0.72	409	0.73
Guelph	697	0.67	747	0.63	696	0.71	476	0.68	446	0.80
Hamilton	3,971	3.81	4,561	3.82	3,539	3.59	2,459	3.51	1,754	3.14
Kingston	856	0.82	862	0.72	575	0.59	333	0.47	281	0.50
Kitchener	1,571	1.51	1,944	1.63	1,635	1.66	1,159	1.65	799	1.43
London	2,745	2.64	3,010	2.52	2,299	2.33	1,536	2.19	1,450	2.59
Niagara Falls	547	0.53	555	0.46	425	0.43	340	0.48	288	0.51
Oshawa	983	0.94	843	0.71	649	0.66	482	0.69	505	0.90
Ottawa	4,649	4.47	5,379	4.50	4,166	4.23	3,841	5.48	3,144	5.62
Peterborough	182	0.18	215	0.18	188	0.19	154	0.22	96	0.17
St. Catharines	921	0.88	833	0.70	788	0.80	555	0.79	687	1.23
Sarnia	511	0.49	639	0.53	466	0.47	575	0.82	469	0.84
Sault Ste. Marie	268	0.26	301	0.25	274	0.28	236	0.34	144	0.26
Sudbury	451	0.43	459	0.38	415	0.42	312	0.44	224	0.40
Toronto	65,194	62.62	74,536	62.40	60,477	61.39	42,700	60.86	34,719	62.06
Thunder Bay	541	0.52	493	0.41	479	0.49	409	0.58	319	0.57
Windsor	2,228	2.14	2,546	2.13	1,787	1.81	1,394	1.99	1,379	2.47
Other Localities	16,533	15.88	19,828	16.60	18,577	18.86	12,382	17.65	8,609	15.39
Total, Ontario	104,113	100.00	119,449	100.00	98,515	100.00	70,158	100.00	55,943	100.00

SOURCE: Canada Employment and Immigration Commission/Department, Immigration and Demographic Policy (computer terminal retrieval through ANSSIR, Health and Welfare Canada) 1978

TABLE A-2

ONTARIO: NUMBER OF IMMIGRANTS BY COUNTRY OF LAST PERMANENT RESIDENCE AND CITY OF DESTINATION, 1977

COUNTRY OF LAST PERMANENT RESIDENCE	CITY OF DESTINATION									
	BRANTFORD	CAMBRIDGE	GUELPH	HAMILTON	KINGSTON	KITCHENER	LONDON	NIAGARA FALLS	OSHAWA	OTTAWA
Britain	69	143	115	405	53	144	386	54	95	564
France	0	0	0	17	0	8	6	5	3	89
Germany (Fed. Rep.)	3	6	18	55	8	73	20	3	10	50
Greece	1	0	3	24	11	12	39	8	6	30
Ireland (Rep. of)	1	0	0	21	6	5	12	5	1	21
Italy	8	3	17	113	9	4	28	25	11	70
Netherlands	0	4	15	21	1	5	26	2	7	38
Portugal	7	22	0	51	28	41	43	1	8	44
Poland	23	2	2	34	2	5	16	5	12	23
Switzerland	0	0	4	2	0	0	10	7	3	43
Yugoslavia	1	7	16	140	1	52	39	18	12	11
Other Europe	9	79	13	113	10	65	87	4	13	109
Total Europe	122	266	203	996	129	414	712	137	181	1,092
Egypt	1	3	1	9	1	7	2	0	0	23
Kenya	0	1	1	7	0	7	1	4	4	8
S. Africa (Rep. of)	2	3	8	18	3	18	63	6	6	69
Tanzania	0	0	0	1	0	1	4	1	2	12
Other Africa	2	18	7	26	8	25	26	3	13	81
Total Africa	5	25	17	61	12	58	96	14	25	193
China	1	0	1	1	4	0	2	0	5	3
Cyprus	0	0	0	3	1	46	7	5	3	6
Hong Kong	4	0	24	59	13	8	84	11	25	153
India	35	27	20	103	8	24	24	1	18	111
Israel	2	0	1	17	1	6	4	0	0	17
South Korea	2	0	1	12	1	13	19	2	4	9
Lebanon	2	8	1	16	0	7	115	1	6	521
Pakistan	1	17	5	23	2	5	4	2	1	44
Philippines	7	1	15	66	22	2	29	19	11	64
Formosa (Taiwan)	0	2	16	4	3	3	10	0	7	29
Other Asia	7	3	18	34	5	8	29	1	9	168
Total Asia	61	58	102	338	60	122	327	42	89	1,125
Australia	2	2	8	7	1	2	18	0	5	16
New Zealand	0	0	1	2	0	0	10	0	1	10
Other Australiasia	0	0	0	1	0	0	0	0	0	0
Total Australiasia	2	2	9	10	1	2	28	0	6	26
Mexico	2	0	2	5	3	6	2	3	0	23
U.S.A.	23	23	41	117	33	64	145	64	81	181
Other N. and C. America	0	0	2	0	1	1	0	0	0	6
Total N. and C. America	25	23	45	122	37	71	147	67	81	210
Haiti	0	0	0	0	0	0	0	0	0	44
Jamaica	3	6	16	82	8	43	48	0	81	178
Trinidad and Tobago	0	1	4	23	2	10	12	3	11	36
Barbados	1	1	1	13	0	7	7	0	5	15
Other Caribbean	0	0	1	18	5	14	23	2	3	60
Total Caribbean	4	8	22	136	15	74	90	5	100	333
Argentina	0	0	11	30	3	2	8	2	1	15
Chile	0	4	7	2	0	3	1	0	1	33
Columbia	0	1	1	8	0	3	0	6	0	9
Ecuador	0	0	0	1	0	1	0	0	1	0
Guana	1	7	22	43	13	46	32	0	16	83
Other S. America	1	14	2	2	9	3	3	15	3	7
Total S. America	2	26	43	86	25	58	49	23	22	147
Fiji	0	0	3	5	0	0	1	0	0	0
Other Oceania	0	0	0	0	0	0	0	0	0	2
Total Oceania	0	0	3	5	0	0	1	0	0	2
Indian Ocean	0	1	2	0	2	0	0	0	1	16
Grand Total	221	409	446	1,754	281	799	1,450	288	505	3,144

ONTARIO: NUMBER OF IMMIGRANTS BY COUNTRY OF LAST PERMANENT RESIDENCE AND CITY OF DESTINATION, 1977 (CONT'D)

COUNTRY OF LAST PERMANENT RESIDENCE	CITY OF DESTINATION									
	PETERBOROUGH	SARNIA	ST. CATHARINES	SAULT STE. MARIE	SUDBURY	THUNDER BAY	TORONTO	WINDSOR	OTHER LOCALITIES	TOTAL
Britain	34	158	326	16	22	36	4,760	236	2,327	9,943
France	0	3	0	0	6	3	187	24	33	384
Germany (Fed. Rep.)	2	4	14	5	0	12	417	24	227	951
Greece	3	4	12	0	9	5	723	36	66	992
Ireland (Rep. of)	0	9	6	0	0	3	145	5	34	274
Italy	0	13	17	17	16	31	1,261	97	183	1,923
Netherlands	3	4	13	2	0	2	156	2	279	580
Portugal	0	14	23	15	5	3	733	1	207	1,246
Poland	6	4	13	3	2	15	252	5	79	503
Switzerland	0	7	3	1	0	11	128	32	47	298
Yugoslavia	0	12	8	1	6	12	511	86	89	1,022
Othr Europe	0	17	36	4	4	33	1,600	62	334	2,592
Total Europe	48	249	471	64	70	166	10,373	610	3,905	20,708
Egypt	0	0	2	0	1	1	135	2	6	194
Kenya	0	3	0	0	0	0	109	0	13	158
S. Africa (Rep. of)	5	22	4	5	11	2	959	25	155	1,384
Tanzania	0	1	0	0	0	0	277	3	12	314
Other Africa	6	7	4	0	13	11	615	12	165	1,042
Total Africa	11	33	10	5	25	14	2,095	42	351	3,092
China	0	0	0	2	4	3	189	0	27	242
Cyprus	0	1	0	0	4	0	134	1	21	232
Hong Kong	8	16	10	0	7	19	2,154	48	220	2,863
India	0	9	5	2	13	10	1,586	38	338	2,372
Israel	0	0	1	0	0	0	385	1	3	438
South Korea	0	1	13	2	4	2	587	4	51	727
Lebanon	0	1	11	2	8	6	444	145	112	1,406
Pakistan	0	6	1	1	0	1	801	16	81	1,011
Philippines	1	8	17	1	6	13	2,263	97	307	2,949
Formosa (Taiwan)	0	4	1	5	0	1	332	2	49	468
Other Asia	4	5	9	0	1	3	976	29	130	1,439
Total Asia	13	51	68	15	47	58	9,851	381	1,339	14,147
Australia	0	1	1	0	1	2	266	3	58	393
New Zealand	0	4	6	0	0	4	51	2	23	114
Other Australiasia	0	0	0	0	0	0	2	0	0	3
Total Australiasia	0	5	7	0	1	6	319	5	81	510
Mexico	0	0	2	1	10	1	89	2	260	411
U.S.A.	14	88	90	49	39	62	2,058	244	1,559	4,975
Other N. and C. America	0	0	1	0	1	0	155	2	19	188
Total N. and C. America	14	88	93	50	50	63	2,302	248	1,338	5,574
Haiti	0	0	0	0	0	0	14	1	3	62
Jamaica	1	6	7	8	8	4	4,006	28	654	5,187
Trinidad and Tobago	2	4	19	0	6	2	861	6	91	1,093
Barbados	0	0	0	0	2	1	325	0	26	404
Other Caribbean	2	5	2	0	3	0	720	9	96	963
Total Caribbean	5	15	28	8	19	7	5,926	44	870	7,709
Argentina	3	3	0	2	3	0	332	12	31	458
Chile	0	23	0	0	5	2	204	8	27	320
Columbia	0	0	0	0	0	0	224	0	4	256
Ecuador	0	1	0	0	0	0	457	4	6	471
Guana	1	1	1	0	2	3	1,645	15	109	2,040
Other S. America	0	0	9	0	2	0	413	8	36	532
Total S. America	4	28	10	2	12	5	3,275	47	213	4,077
Fiji	1	0	0	0	0	0	52	0	4	66
Other Oceania	0	0	0	0	0	0	0	0	0	2
Total Oceania	1	0	0	0	0	0	52	0	4	68
Indian Ocean	0	0	0	0	0	0	26	2	8	58
Grand Total	96	469	687	144	224	319	34,719	1,379	8,609	55,943

SOURCE: Canada Employment and Immigration Commission/Department, Immigration and Demographic Policy (computer terminal retrieval through ANSSIR, Health and Welfare Canada) 1978

TABLE A-3

ONTARIO: NUMBER OF IMMIGRANTS BY FIVE-YEAR AGE GROUPS AND SEX FOR SELECTED CITIES, 1977

CITIES		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59
Brantford	Male	12	8	4	7	16	22	13	1	2	3	1	1
	Female	14	3	7	8	24	23	14	2	4	3	3	5
	Total	26	11	11	15	40	45	27	3	6	6	4	6
Cambridge	Male	16	15	14	21	38	19	16	15	7	4	2	0
	Female	16	9	16	29	31	23	24	12	3	7	4	10
	Total	32	24	30	50	69	42	40	27	10	11	6	10
Guelph	Male	27	21	17	21	28	31	24	15	8	8	2	1
	Female	21	23	11	18	43	38	23	18	8	7	3	3
	Total	48	44	28	39	71	69	47	33	16	15	5	4
Hamilton	Male	86	76	56	58	127	116	109	47	19	18	12	12
	Female	84	73	50	95	176	141	73	38	19	18	37	45
	Total	170	149	106	153	303	257	182	85	38	36	49	57
Kingston	Male	12	10	8	12	18	32	14	8	3	2	0	1
	Female	11	8	5	10	31	23	14	4	1	7	11	6
	Total	23	18	13	22	49	55	28	12	4	9	11	7
Kitchener	Male	27	36	31	27	63	54	48	25	15	8	5	8
	Female	31	29	20	48	82	51	39	23	12	7	15	16
	Total	58	65	51	75	145	105	87	48	27	15	20	24
London	Male	60	73	51	40	113	127	85	40	18	17	7	6
	Female	73	73	61	68	118	102	74	34	18	17	18	23
	Total	133	146	112	108	231	229	159	74	36	34	25	29
Niagara Falls	Male	14	18	9	4	23	19	16	8	5	3	4	0
	Female	14	13	7	15	20	23	10	6	7	8	4	8
	Total	28	31	16	19	43	42	26	14	12	11	8	8
Oshawa	Male	19	31	24	27	28	30	21	18	10	6	8	2
	Female	24	24	15	29	43	22	21	9	9	11	9	15
	Total	43	55	39	56	71	52	42	27	19	17	17	17
Ottawa	Male	136	121	122	122	296	308	177	93	62	35	26	20
	Female	115	117	115	137	246	269	146	74	41	39	48	34
	Total	251	238	237	259	542	577	323	167	103	74	74	54
Peterborough	Male	4	2	7	5	3	3	1	2	5	3	1	2
	Female	4	4	2	4	7	7	5	4	3	2	5	1
	Total	8	6	9	9	10	10	6	6	8	5	6	3
St. Catharines	Male	43	35	24	17	54	47	37	32	13	10	3	8
	Female	35	40	25	26	60	53	28	16	10	6	7	13
	Total	78	75	49	43	114	100	65	48	23	16	10	21
Sarnia	Male	23	23	17	14	31	39	19	17	5	10	6	1
	Female	29	28	15	17	47	32	24	10	11	5	9	6
	Total	52	51	32	31	78	71	43	27	16	15	15	7
Sault Ste. Marie	Male	7	4	8	2	10	8	3	4	4	2	1	0
	Female	6	9	2	15	16	10	5	5	4	3	2	3
	Total	13	13	10	17	26	18	8	9	8	5	3	3
Sudbury	Male	7	10	5	6	17	15	7	7	5	1	4	1
	Female	6	9	6	13	28	24	12	5	4	2	5	2
	Total	13	19	11	19	45	39	19	12	9	3	9	3
Toronto	Male	1,330	1,604	1,363	1,492	2,241	2,479	1,703	939	570	329	260	253
	Female	1,239	1,513	1,362	1,944	3,280	2,656	1,458	792	484	462	626	753
	Total	2,569	3,117	2,725	3,436	5,521	5,135	3,161	1,731	1,054	791	886	1,006
Thunder Bay	Male	15	14	6	15	31	28	18	9	3	2	2	4
	Female	15	9	8	16	39	26	15	6	6	3	7	2
	Total	30	23	14	31	70	54	33	15	9	5	9	6
Windsor	Male	52	58	52	29	118	114	72	37	15	12	13	8
	Female	60	57	39	68	164	96	58	29	16	21	17	24
	Total	112	115	91	97	282	210	130	66	31	33	30	32
Remainder	Male	423	439	369	326	507	560	409	276	163	105	87	60
	Female	385	430	359	377	763	571	383	236	138	121	142	151
	Total	808	869	728	703	1,270	1,131	792	512	301	226	229	211
Total, Ontario	Male	2,313	2,598	2,187	2,245	3,762	4,051	2,792	1,593	932	578	444	388
	Female	2,182	2,471	2,125	2,937	5,218	4,190	2,426	1,323	798	749	972	1,120
	Total	4,495	5,069	4,312	5,182	8,980	8,241	5,218	2,916	1,730	1,327	1,416	1,508

ONTARIO: NUMBER OF IMMIGRANTS BY FIVE-YEAR AGE GROUPS AND SEX FOR SELECTED CITIES, 1977 (CONT'D)

CITIES		60-64	65-69	70-74	75-79	80-84	85+	UNDEFINED VALUES	TOTAL	SELECTED AGE GROUPS 0-19	20-44	45-64	65+
Brantford	Male	5	4	0	2	0	0	0	101	31	54	10	6
	Female	3	4	3	0	0	0	0	120	32	67	14	7
	Total	8	8	3	2	0	0	0	221	63	121	24	13
Cambridge	Male	15	7	5	1	0	0	0	195	66	95	21	13
	Female	13	8	4	2	3	0	0	214	70	93	34	17
	Total	28	15	9	3	3	0	0	409	136	188	55	30
Guelph	Male	5	5	1	0	0	0	0	214	86	106	16	6
	Female	7	4	3	1	1	0	0	232	73	130	20	9
	Total	12	9	4	1	1	0	0	446	159	236	36	15
Hamilton	Male	35	12	14	5	2	2	0	806	276	418	77	35
	Female	33	29	18	8	10	1	0	948	302	447	133	66
	Total	68	41	32	13	12	3	0	1,754	578	865	210	101
Kingston	Male	8	3	2	0	0	0	0	133	42	75	11	5
	Female	6	4	3	1	2	1	0	148	34	73	30	11
	Total	14	7	5	1	2	1	0	281	76	148	41	16
Kitchener	Male	6	13	8	2	1	1	0	378	121	205	27	25
	Female	18	23	2	1	2	2	0	421	128	207	56	30
	Total	24	36	10	3	3	3	0	799	249	412	83	55
London	Male	24	20	8	1	2	0	0	692	224	383	54	31
	Female	24	30	14	5	6	0	0	758	275	346	82	55
	Total	48	50	22	6	8	0	0	1,450	499	729	136	86
Niagara Falls	Male	5	7	3	0	0	0	0	138	45	71	12	10
	Female	5	5	4	0	0	1	0	150	49	66	25	10
	Total	10	12	7	0	0	1	0	288	94	137	37	20
Oshawa	Male	13	4	2	2	1	0	0	246	101	107	29	9
	Female	15	4	5	3	1	0	0	259	92	104	50	13
	Total	28	8	7	5	2	0	0	505	193	211	79	22
Ottawa	Male	51	29	14	7	2	1	0	1,622	501	936	132	53
	Female	64	39	15	5	9	9	0	1,522	484	776	185	77
	Total	115	68	29	12	11	10	0	3,144	985	1,712	317	130
Peterborough	Male	0	1	0	1	0	0	0	40	18	14	6	2
	Female	2	3	1	0	2	0	0	56	14	26	10	6
	Total	2	4	1	1	2	0	0	96	32	40	16	8
St. Catharines	Male	7	5	2	2	1	0	0	340	119	183	28	10
	Female	10	8	6	0	2	2	0	347	126	167	36	18
	Total	17	13	8	2	3	2	0	687	245	350	64	28
Sarnia	Male	5	2	3	1	0	0	0	216	77	111	22	6
	Female	11	6	2	1	0	0	0	253	89	124	31	9
	Total	16	8	5	2	0	0	0	469	166	235	53	15
Sault Ste. Marie	Male	2	3	0	0	0	0	0	58	21	29	5	3
	Female	3	2	0	1	0	0	0	86	32	40	11	3
	Total	5	5	0	1	0	0	0	144	53	69	16	6
Sudbury	Male	5	2	1	0	1	1	0	95	28	51	11	5
	Female	5	3	1	1	2	1	0	129	34	73	14	8
	Total	10	5	2	1	3	2	0	224	62	124	25	13
Toronto	Male	732	436	248	94	45	12	0	16,130	5,789	7,932	1,574	835
	Female	871	597	318	122	77	35	0	18,589	6,058	8,670	2,712	1,149
	Total	1,603	1,033	566	216	122	47	0	34,719	11,847	16,602	4,286	1,984
Thunder Bay	Male	5	2	0	2	0	0	0	156	50	89	13	4
	Female	3	3	4	0	1	0	0	163	48	92	15	8
	Total	8	5	4	2	1	0	0	319	98	181	28	12
Windsor	Male	20	22	6	5	1	4	0	638	191	356	53	38
	Female	33	26	14	7	6	6	0	741	224	363	95	59
	Total	53	48	20	12	7	10	0	1,379	415	719	148	97
Remainder	Male	149	103	50	19	16	8	0	4,069	1,557	1,915	401	196
	Female	196	129	76	37	34	12	0	4,540	1,551	2,091	610	288
	Total	345	232	126	56	50	20	0	8,609	3,108	4,006	1,011	484
Total, Ontario	Male	1,092	680	367	144	72	29	0	26,267	9,343	13,130	2,502	1,292
	Female	1,322	927	493	195	158	70	0	29,676	9,715	13,955	4,163	1,343
	Total	2,414	1,607	860	339	230	99	0	55,943	19,058	27,085	6,665	3,135

SOURCE: Canada Employment and Immigration Commission/Department, Immigration and Demographic Policy (computer terminal retrieval through ANSSIR, Health and Welfare Canada) 1978

TABLE A-4

ONTARIO: NUMBER OF IMMIGRANTS BY INTENDED OCCUPATION AND CITY OF DESTINATION, 1977

CITIES	MANAGERIAL AND ADMINISTRATIVE	NATURAL SCIENCES, ENGINEERING AND MATHEMATICS	SOCIAL SCIENCES	RELIGION	TEACHING	MEDICIANE AND HEALTH	ARTISTIC AND LITERARY	SPORTS AND RECREATION	CLERICAL	SALES	SERVICE	FARMING HORTICULTURAL AND ANIMAL HUSBANDRY	FISHING HUNTING AND TRAPPING
Brantford	5	5	2	2	1	3	1	0	16	3	6	3	0
Cambridge	4	5	1	0	1	3	5	0	22	7	7	13	0
Guelph	13	18	5	0	7	9	0	0	29	13	16	5	0
Hamilton	33	59	11	16	24	37	11	2	113	32	46	13	0
Kingston	6	19	2	1	7	9	0	1	12	8	9	1	0
Kitchener	17	18	2	4	14	9	4	0	32	15	25	10	0
London	28	47	7	2	37	30	16	2	70	31	67	10	0
Niagara Falls	7	9	1	0	4	8	0	0	19	7	13	10	0
Oshawa	15	14	1	12	5	4	1	0	32	5	20	3	0
Ottawa	97	148	33	15	45	51	55	6	223	46	252	13	0
Peterborough	3	4	1	4	0	1	1	0	6	5	6	0	0
St. Catharines	10	15	2	7	11	11	3	1	39	13	15	4	0
Sarnia	11	17	3	0	6	7	1	0	25	4	15	3	0
Sault Ste. Marie	0	2	1	1	1	3	1	0	5	2	6	1	0
Sudbury	4	6	5	2	5	6	2	2	9	6	15	2	0
Thunder Bay	7	8	0	5	5	9	7	0	18	1	13	3	1
Toronto	1,160	1,153	157	82	338	573	337	22	2,545	780	1,361	189	4
Windsor	22	39	8	5	13	35	8	1	85	16	46	6	0
Remainder	260	244	39	47	88	141	58	10	517	151	276	248	4
TOTAL, Ontario	1,702	1,830	281	205	612	949	511	47	3,817	1,145	2,214	537	9

ONTARIO: NUMBER OF IMMIGRANTS BY INTENDED OCCUPATION AND CITY OF DESTINATION, 1977 (CONT'D)

CITIES	FORESTRY AND LOGGING	MINING AND QUARRYING	PROCESSING	MACHINING	PRODUCT FABRICATING, ASSEMBLING AND REPAIRING	CONSTRUCTION TRADES	TRANSPORT EQUIPMENT OPERATING	MATERIALS HANDLING	OTHER CRAFTS AND EQUIPMENT OPERATING	TOTAL OCCUPATION	NON-WORKERS	UNDEFINED VALUES	GRAND TOTAL
Brantford	0	0	2	12	15	8	0	0	1	85	135	1	221
Cambridge	0	0	8	15	25	12	2	4	1	135	274	0	409
Guelph	0	0	6	19	22	6	0	2	0	170	273	3	446
Hamilton	0	2	19	73	81	76	5	6	6	665	1,083	6	1,754
Kingston	0	1	1	6	12	10	1	0	0	106	173	2	281
Kitchener	0	1	9	36	58	25	3	5	2	289	506	4	799
London	0	0	10	77	57	60	3	2	5	561	883	6	1,450
Niagara Falls	0	0	0	8	12	11	3	1	1	114	174	0	288
Oshawa	0	1	3	12	25	29	0	0	1	183	318	4	505
Ottawa	0	0	13	23	210	67	15	4	7	1,323	1,800	21	3,144
Peterborough	0	0	1	0	2	2	0	0	0	36	60	0	96
St. Catharines	0	0	5	55	38	21	5	1	3	259	426	2	687
Sarnia	0	1	4	21	22	41	0	1	1	183	285	1	469
Sault Ste. Marie	0	1	1	5	8	3	0	0	0	41	102	1	144
Sudbury	0	1	2	2	6	4	2	0	0	81	143	0	224
Thunder Bay	3	1	3	8	25	17	1	0	3	138	177	4	319
Toronto	1	8	235	639	1,694	766	148	109	103	12,404	22,048	267	34,719
Windsor	0	0	7	99	101	38	4	4	5	542	828	9	1,379
Remainder	1	7	104	197	351	271	33	12	25	3,084	5,441	84	8,609
TOTAL, Ontario	5	24	433	1,307	2,764	1,467	225	151	164	20,399	35,129	415	55,943

SOURCE: Canada Employment and Immigration Commission/Department, Immigration and Demographic Policy (computer terminal retrieval through ANSSIR, Health and Welfare Canada) 1978

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Census of Industries, Statistics Canada, Ontario Data
Census of Population, Statistics Canada, Ontario Data
Population Projections Ontario and Counties 1971-2001 (Available through Dataline Telephone: G. Kozab, 964-9515)

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DEMOGRAPHIC BULLETIN
SEPTEMBER 1978

VITAL STATISTICS ONTARIO
INTERPROVINCIAL MIGRATION ESTIMATES
COMPONENTS OF POPULATION GROWTH IN ONTARIO, 1961-1978

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ESTIMATED POPULATION FOR ONTARIO

The estimated population in Ontario on August 1, 1978 was 8,454,600. Statistics Canada recently revised their quarterly population estimates for Ontario. The new figures are:

	1976	1977	1978
January 1		8,318,800	8,412,700
April 1		8,338,700	8,430,700
June 1		8,354,000	8,443,800
July 1	8,277,300	8,363,200	8,449,700
October 1	8,299,500	8,390,000	

VITAL STATISTICS, AUGUST 1978, ONTARIO

BIRTHS in August 1978 totalled 11,774 live births, an increase of 6% over August last year. For the eight month period the total was slightly below the same period last year. The estimated birth rate was 14.5 per 1,000 population, down from 14.7 last year.

DEATHS were 8.8% above August last year and for the eight month period were 4.7% above last year. The estimated death rate was 7.4 per 1,000 population as compared to 7.2 last year.

NATURAL INCREASE (the excess of births over deaths) in August 1978 amounted to 6,344, an increase of 3.6% over August last year. However for the eight month period, natural increase was 5.5% below the same period last year. During the 12 month period ending August 1978 natural increase added 59,518 persons to Ontario's population as compared to 62,341 for the same period ending with August 1977, a decline of 4.5%.

MARRIAGES celebrated in August were 19% below August last year and during the first eight months showed a 1.3% decrease from the same period last year. The marriage rate for the 12 month period was the same as last year.

DIVORCES granted in August were up 11.6% over August last year. For the 12 month period ending with August 1978, the total was 4% below last year, and the divorce rate was 2.3 as compared to 2.4 last year.

Marriage and Divorce Rates per 1,000 Population

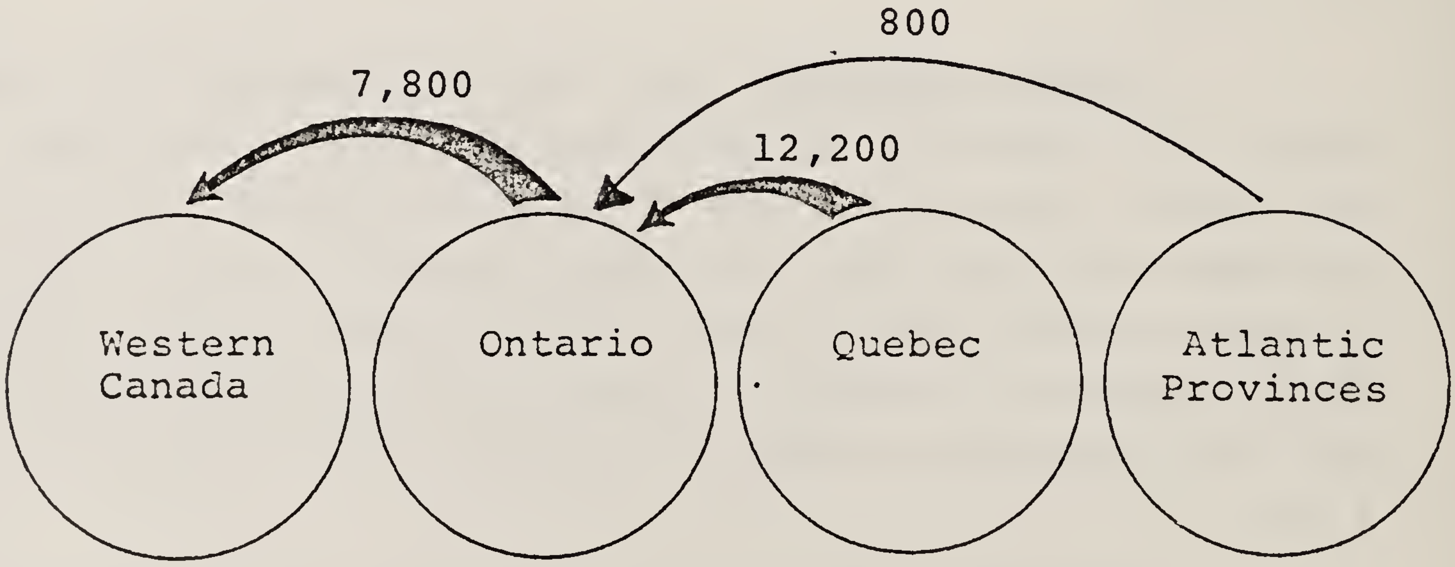
	1978	1977	12 months ended August 1978	1977	1976	1975
	Number		per 1,000 population			
Marriages	6,997	8,634	7.9	7.9	8.8	8.9
Divorces	1,998	1,791	2.3	2.4	1.9	1.8

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1978 July	- 1,700	2,000	- 100	200
Jan. to July	- 7,800	12,200	800	5,200

7 Months 1978



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

During July Ontario gained an estimated 200 persons as a result of an inflow of 2,000 migrants from Quebec and an outflow of 1,800 migrants to other provinces, mainly Alberta.

The cumulative net migration for the first seven months of 1978 showed a net gain of 5,167 persons, as a result of 13,763 persons moving to Ontario from Quebec, the Atlantic Provinces and Manitoba, and 8,596 moving to the western provinces, mainly to Alberta and British Columbia.

During the 12 month period ending with July, 1978 the net gain amounted to 8,941 as a result of 26,581 movements to Ontario (25,225 from Quebec) and 17,640 movements to other provinces, mainly Alberta (10,922) and British Columbia (5,034). See Table 2.

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

	AUGUST				12 MONTHS ENDING WITH AUGUST						JANUARY - AUGUST			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
ITEM[1]	1978	1977	NUMBER	%	1978	1977	1978	1977	1976	1975	1978	1977	NUMBER	%
Live Births	11,774	11,111	663	6.0	122,060	122,381	14.5	14.7	15.6	15.4	82,374	82,790	-416	-0.5
Deaths	5,430	4,989	441	8.8	62,542	60,040	7.4	7.2	7.5	7.6	42,663	40,761	1,902	4.7
Natural Increase	6,344	6,122	222	3.6	59,518	62,341	7.1	7.5	8.1	7.8	39,711	42,029	-2,318	-5.5
Marriages	6,997	8,634	-1,637	-19.0	66,573	66,181	7.9	7.9	8.8	8.9	42,431	42,977	-546	-1.3
Divorces	1,998	1,791	207	11.6	19,082	19,883	2.3	2.4	1.9	1.8	13,488	13,175	313	2.4
Population Base[2] (in thousands) as of June 1	-	-	-	-	-	-	8,443.8	8,354.0	8,264.5	8,172.2	-	-	-	-

SOURCES: 1 Registrar General, Ministry of Consumer and Commercial Relations
2 Statistics Canada: Cat. No. 91-001

Social and Economic Data
Central Statistical Services
Ministry of Treasury and Economics

September 1978

TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR JULY AND JANUARY-JULY 1978

	JULY 1978			12 MONTHS ENDING WITH JULY 1978			JANUARY - JULY 1978		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
BETWEEN ONTARIO AND	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE
Newfoundland	-15	27	12	203	118	321	166	275	441
Prince Edward Island	-12	10	-2	-104	-7	-111	-35	78	43
Nova Scotia	-37	-50	-87	-92	762	670	-66	83	17
New Brunswick	6	-12	-6	-165	-87	-252	55	222	277
Quebec	586	1,382	1,968	8,292	16,933	25,225	2,777	9,379	12,156
Manitoba	-7	105	98	-88	453	365	-14	843	829
Saskatchewan	-24	-11	-35	-323	-500	-823	-112	-117	-229
Alberta	-291	-957	-1,248	-3,178	-7,744	-10,922	-1,550	-3,862	-5,412
British Columbia	-276	-193	-469	-1,989	-3,045	-5,034	-902	-1,871	-2,773
Yukon and N. W. Territories	-8	-28	-36	-63	-435	-498	-27	-155	-182
Total Received	-78	273	195	2,493	6,448	8,941	292	4,875	5,167

*Preliminary Estimates

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts.
Ontario Ministry of Transportation and Communications, Drivers Change of Address.

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Components of Population Growth in Ontario, 1961-1978

Between June 1, 1961 and May 31, 1978 Ontario's population grew by 2,207,700 or by 35.4%. Natural increase contributed 1,311,200 or 59.4% of the population increment, and migration added 896,500 or 40.6%. The contribution of these two components was quite volatile as observed in Figure 2. The curves tracing annual natural increase and migration frequently intersect moving in opposite directions. The graph also shows that of the two sub-components of migration, international migration was more effective than interprovincial migration as a factor in the growth of Ontario during the past sixteen years.

The growth of Ontario's population has shown considerable variation, with clearly defined cycles in the size of annual increments to the provincial population. The successive peaks and troughs, although continuing to show high amplitudes (50,000 per cycle), overlay a declining trend in provincial population growth. (See Figure 1).

We observe three discernable cycles, namely:

Trough		Peak	
Time	Change	Time	Change
1961-62	114,900		
		1965-66	172,900
1968-69	123,000		
		1969-70	166,000
1972-73	98,900		
		1973-74	145,300
1977-78	89,800		

The population growth curve from 1961-1978 is determined by the shape of the net migration curve, which is also clearly divided into three cycles covering exactly the same time periods as those shown in the population growth curve.

Natural increase declined through most of the period under discussion except from 1967-68 to 1971-72, when the large number of women in the main child bearing ages 20-29 resulted in a short upturn in the number of births. Preliminary data show another recent increase in births and therefore in natural increase. This is probably caused by the statistical methodology in the preliminary count and total births have probably been fairly stable at the 1974-75 level over the past three years.

Deaths have shown a gradual increase as the population has aged and increased.

Figure: 1

Ontario: Components of Population Change, 1962-1978

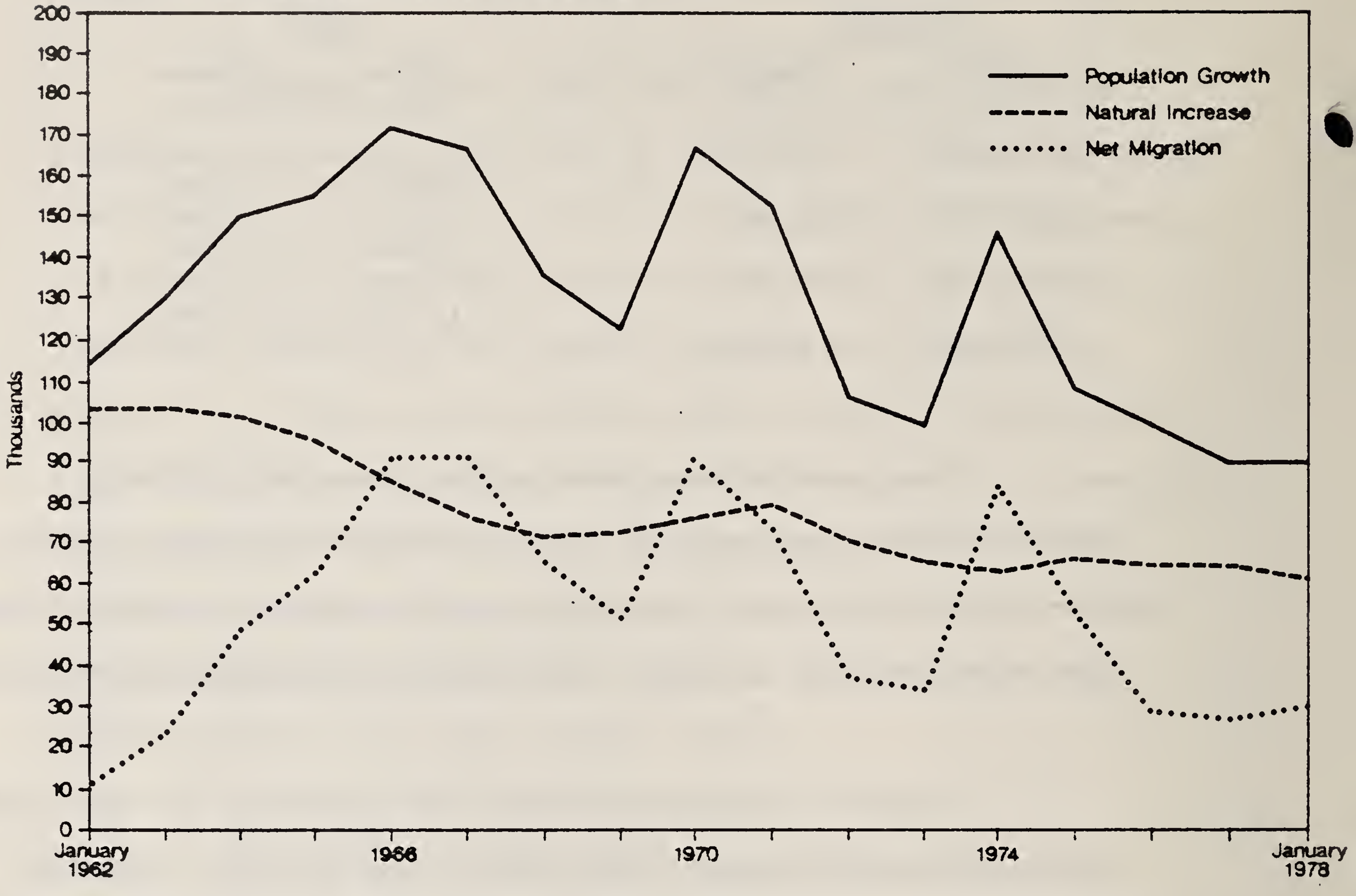

Figure: 2

Ontario: Components of Natural Increase, 1962-1978

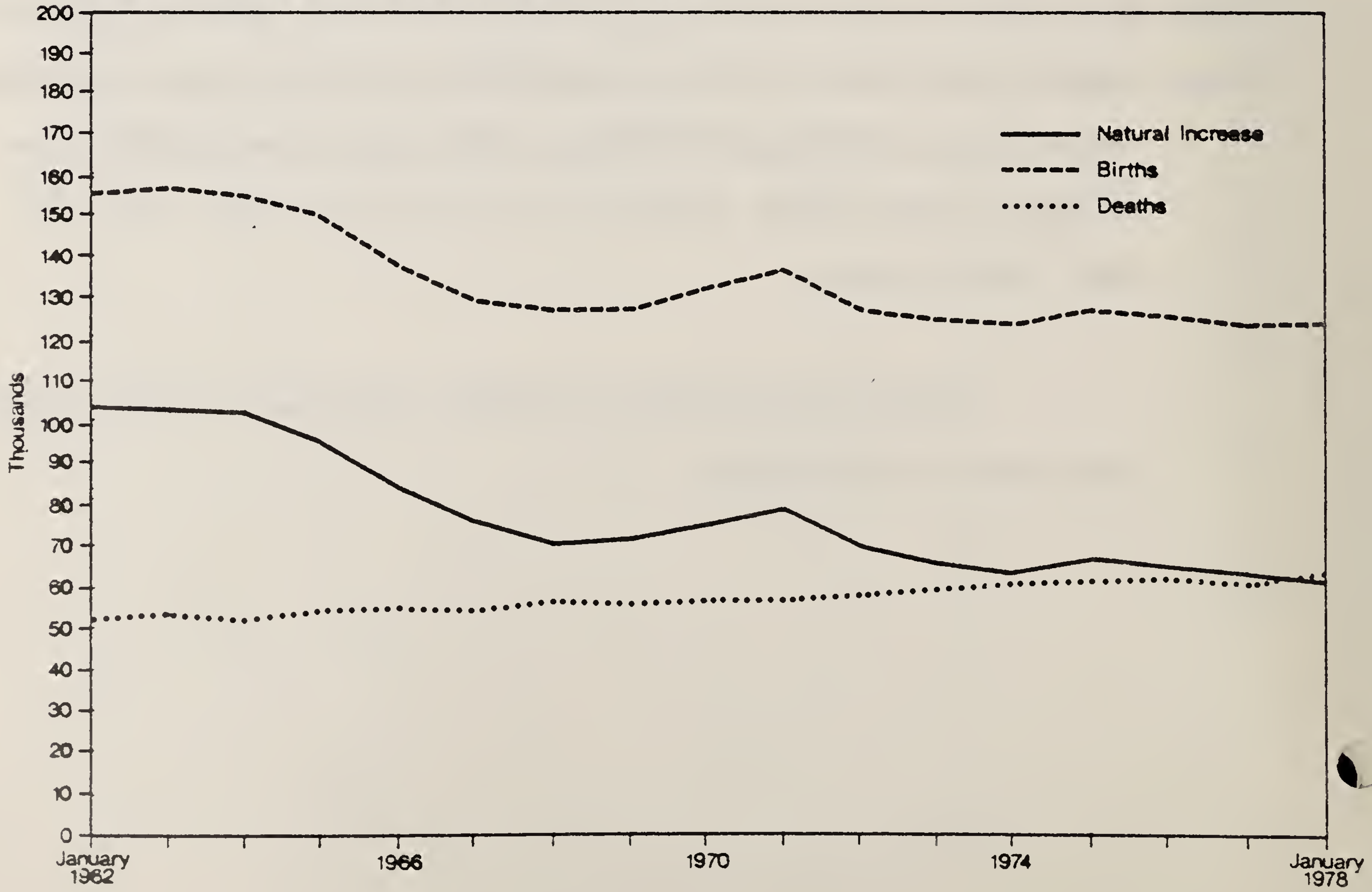

Figure: 3

Ontario: Components of Migration, 1962-1978

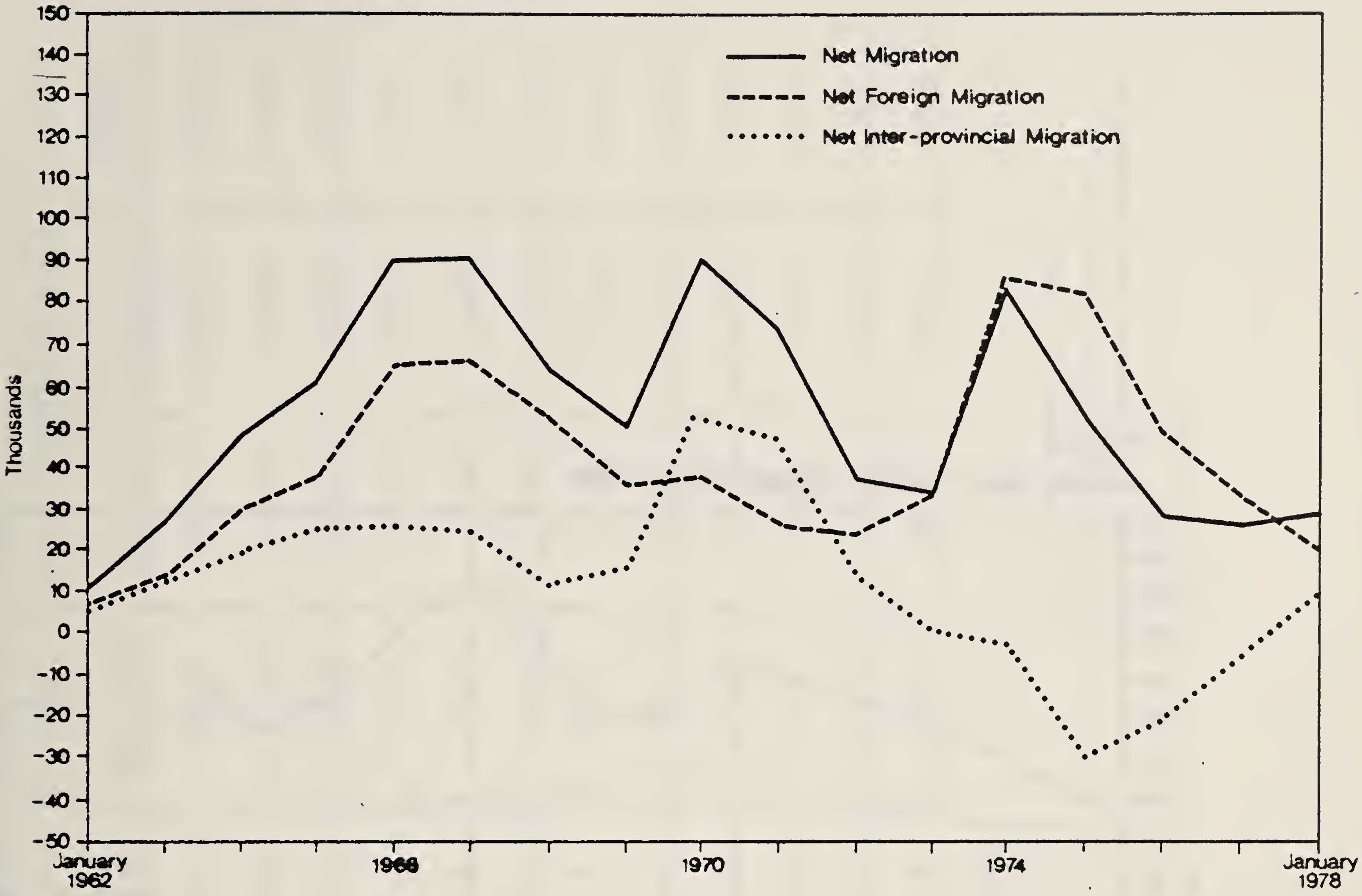

Figure: 4

Ontario: Foreign Migration, 1962-1978

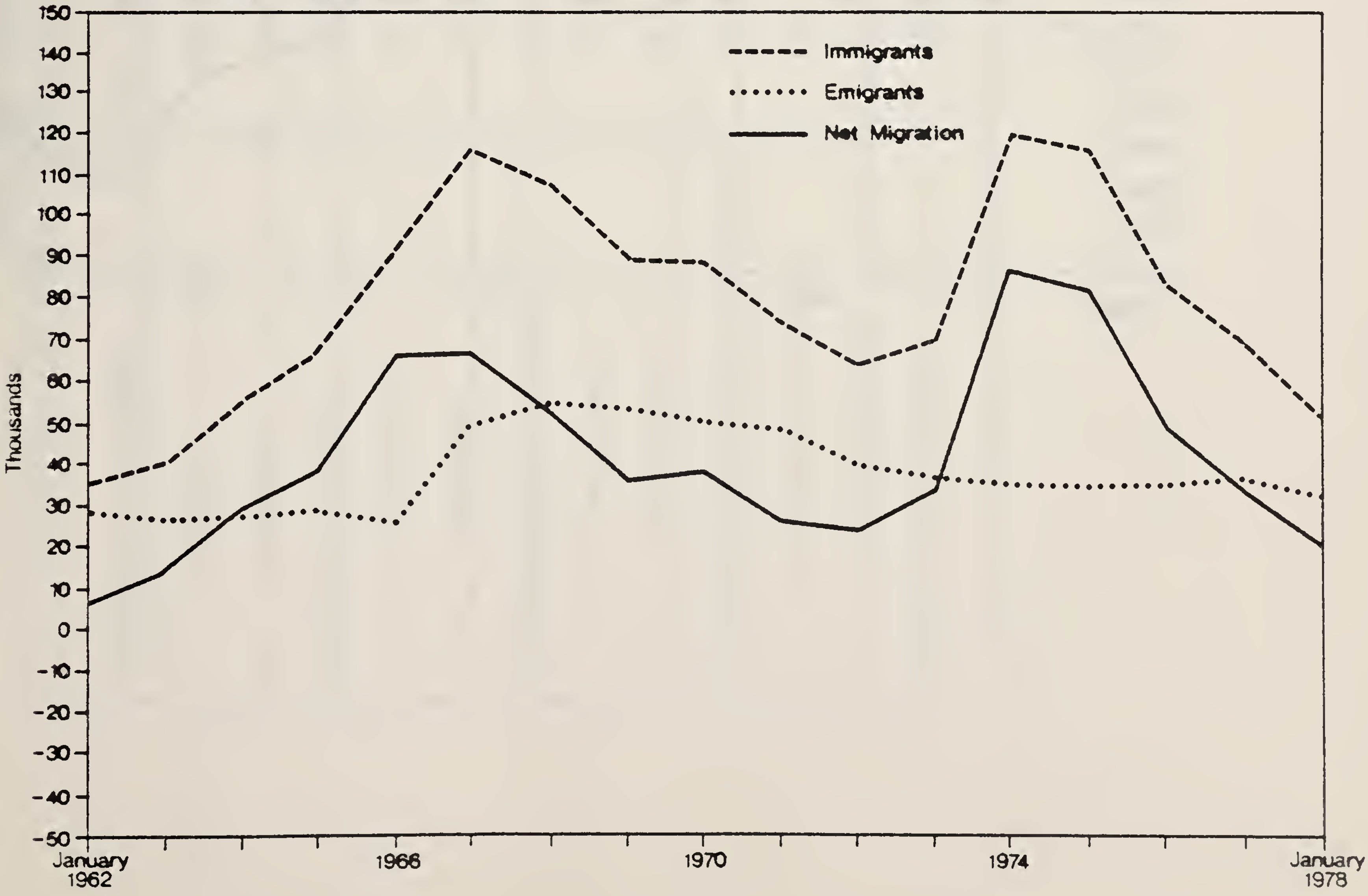

Figure: 5
Ontario: Inter-Provincial Migration, 1962-1978

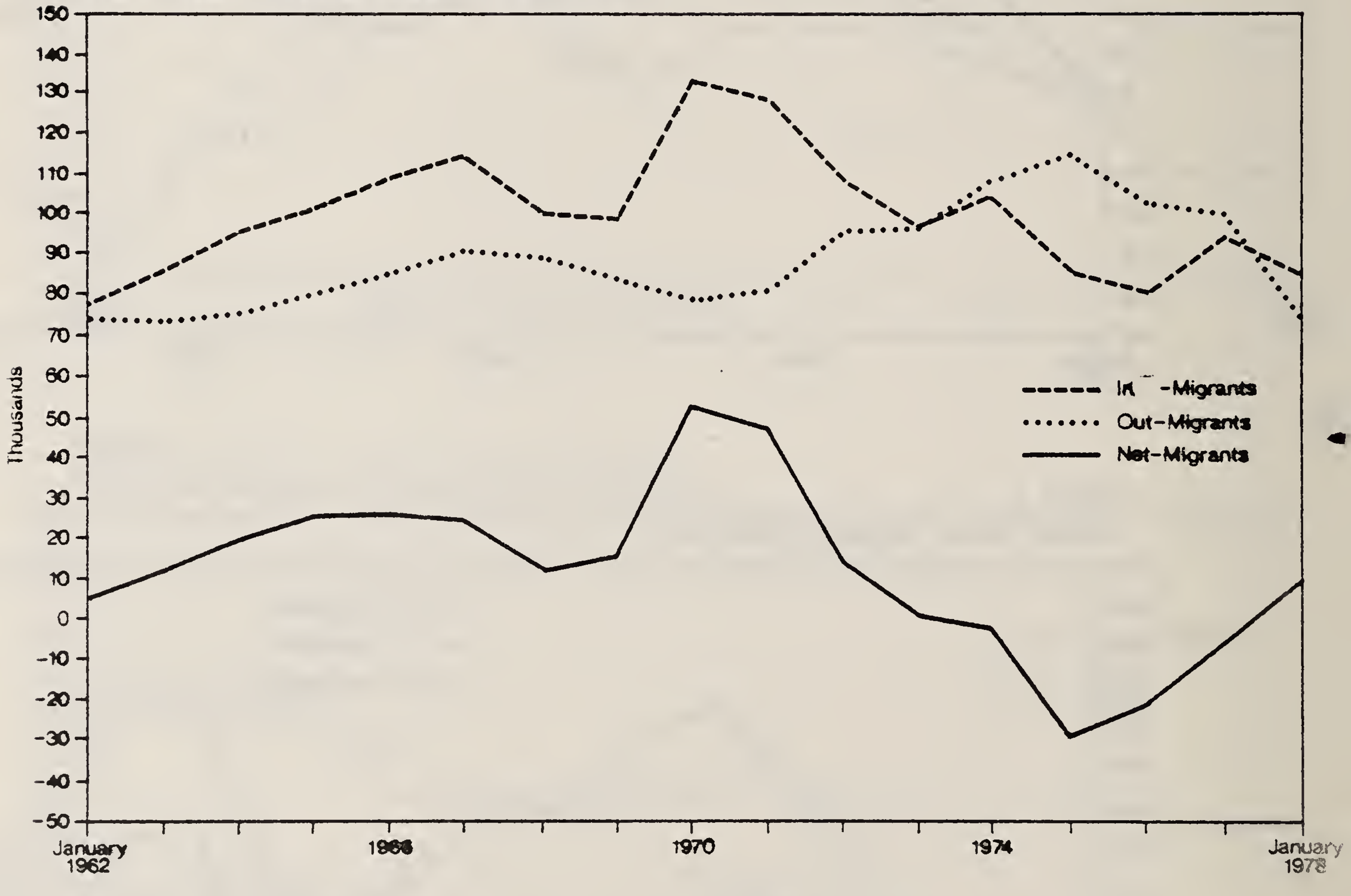

TABLE 3a

ONTARIO: BALANCE SHEET OF POPULATION CHANGE, RATE[1] PER THOUSAND POPULATION, 1961-1966
(DATA FROM JUNE 1ST OF ONE YEAR TO MAY 31ST OF NEXT)

COMPONENTS OF CHANGE	1961-1962	1962-1963	1963-1964	1964-1965	1965-1966	AVERAGE 1961-1966
+ Births	24.7	24.4	23.5	22.2	20.0	22.8
- Deaths	8.2	8.2	7.9	8.0	7.9	8.0
+ Natural Increase	16.5	16.2	15.6	14.2	12.1	14.8
+ Immigrants	5.5	6.3	8.5	9.8	13.2	8.7
- Emigrants	4.4	4.2	4.2	4.2	3.7	4.1
+ Net External Migration	1.1	2.1	4.3	5.6	9.5	4.6
+ In-migrants	12.3	13.3	14.5	15.1	15.9	14.2
- Out-migrants	11.7	11.3	11.5	11.5	12.3	11.6
+ Net Inter-provincial Migration	0.6	2.0	3.0	3.6	3.6	2.6
+ Natural Increase	16.5	16.2	15.6	14.2	12.1	14.8
+ Net Migration	1.7	4.1	7.3	9.2	13.1	7.2
Growth During Period	18.2	20.3	22.9	23.4	25.2	22.0

1 Rates calculated on population at mid-point of period.

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TABLE 3b

ONTARIO: BALANCE SHEET OF POPULATION CHANGE, RATE[1] PER THOUSAND POPULATION, 1966-1971
(DATA FROM JUNE 1ST OF ONE YEAR TO MAY 31ST OF NEXT)

COMPONENTS OF CHANGE	1966-1967	1967-1968	1968-1969	1969-1970	1970-1971	AVERAGE 1966-1971
+ Births	18.4	17.6	17.4	17.7	17.8	17.8
- Deaths	7.6	7.8	7.6	7.5	7.4	7.6
+ Natural Increase	10.8	9.8	9.8	10.2	10.4	10.2
+ Immigrants	16.5	14.9	12.2	11.8	9.7	12.9
- Emigrants	7.0	7.6	7.3	6.8	6.3	7.0
+ Net External Migration	9.5	7.3	4.9	5.0	3.4	5.9
+ In-migrants	16.2	14.0	13.5	17.7	16.8	15.7
- Out-migrants	12.8	12.4	11.4	10.7	10.6	11.6
+ Net Inter-provincial Migration	3.4	1.6	2.1	7.0	6.2	4.1
+ Natural Increase	10.8	9.8	9.8	10.2	10.4	10.2
+ Net Migration	12.9	8.9	7.0	12.0	9.6	10.0
Growth During Period	23.7	18.7	16.8	22.2	20.0	20.2

[1] Rates calaulated on population at mid-point of period.

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TABLE 3c

ONTARIO: BALANCE SHEET OF POPULATION CHANGE RATE[1] PER THOUSAND POPULATION 1971-1978
(DATA FROM JUNE 1ST OF ONE YEAR TO MAY 31ST OF NEXT)

COMPONENTS OF CHANGE	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	AVERAGE 1971-1976	1976-1977	1977-1978
+ Births	16.4	15.8	15.4	15.7	15.2	15.7	14.8	14.6
- Deaths	7.4	7.5	7.6	7.6	7.4	7.5	7.3	7.5
+ Natural Increase	9.0	8.3	7.8	8.1	7.8	8.2	7.5	7.1
+ Immigrants	8.1	8.8	15.0	14.3	10.2	11.3	8.2	6.2
- Emigrants	5.1	4.6	4.3	4.2	4.2	4.5	4.3	3.8
+ Net External Migration	3.0	4.2	10.7	10.1	6.0	6.8	3.9	2.4
+ In-migrants	14.1	12.2	13.1	10.5	9.9	11.9	11.3	10.0
- Out-migrants	12.3	12.1	13.5	14.1	12.5	12.9	12.0	8.9
+ Net Inter-provincial Migration	1.8	0.1	-0.4	-3.6	-2.6	-1.0	-0.7	1.1
+ Natural Increase	9.0	8.3	7.8	8.1	7.8	8.2	7.5	7.1
+ Net Migration	4.8	4.3	10.3	6.5	3.4	5.8	3.2	3.5
Growth During Period	13.8	12.6	18.1	14.6	11.2	14.0	10.7	10.6

[1] Rates calculated on population at mid-point of period.

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TABLE 4a

ONTARIO: COMPONENTS OF MIGRATION, 1961-1962 TO 1977-1978[1,2]

	INTERNATIONAL MIGRATION			INTERPROVINCIAL MIGRATION			TOTAL NET MIGRATION			GROSS MIGRATION				
YEAR	IMMIGRANTS	EMIGRANTS	NET MIGRATION	IN-MIGRANTS	OUT-MIGRANTS	NET MIGRATION	TOTAL IMMIGRANTS + IN-MIGRANTS	TOTAL EMIGRANTS + OUT-MIGRANTS	TOTAL NET MIGRATION	INTER-NATIONAL	INTER-PROVINCIAL	TOTAL MIGRATION	NATURAL[3] TURNOVER	POPULATION[4] TURNOVER
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1961-62	34,621	27,730	6,891	77,502	73,330	4,172	112,123	101,060	11,063	62,351	150,832	213,183	207,647	420,830
1962-63	40,155	26,699	13,456	85,647	72,797	12,850	125,802	99,496	26,306	66,854	158,444	225,298	209,281	434,579
1963-64	55,600	27,249	28,351	94,928	75,423	19,505	150,528	102,672	47,856	82,849	170,351	253,200	205,978	459,178
1964-65	66,017	28,360	37,657	101,081	77,036	24,045	167,098	105,396	61,702	94,377	178,117	272,494	202,412	474,906
1965-66	90,661	25,438	65,223	109,017	84,220	24,797	199,678	109,658	90,020	116,099	193,237	309,336	191,852	501,188
1961-66	287,054	135,476	151,578	468,175	382,806	85,369	755,229	518,282	236,947	422,530	850,981	1,273,511	1,017,170	2,290,681
1966-67	116,405	49,650	66,755	113,944	90,351	23,593	230,349	140,001	90,348	166,055	204,295	370,350	182,844	553,194
1967-68	106,891	54,577	52,314	100,702	88,895	11,807	207,593	143,472	64,121	161,468	189,597	351,065	183,013	534,078
1968-69	89,142	53,256	35,886	98,677	83,393	15,284	187,819	136,649	51,170	142,398	182,070	324,468	182,686	507,154
1969-70	88,436	50,868	37,568	132,439	79,677	52,762	220,875	130,545	90,330	139,304	212,116	351,420	188,410	539,830
1970-71	73,836	47,943	25,893	128,486	81,220	47,266	202,322	129,163	73,159	121,779	209,706	331,485	192,035	523,520
1966-71	474,710	256,294	218,416	574,248	423,536	150,712	1,048,958	679,830	369,128	731,004	997,784	1,728,788	928,988	2,657,776
1971-72	62,736	39,667	23,069	109,224	95,144	14,080	171,960	134,811	37,149	102,403	204,368	306,771	184,609	491,380
1972-73	69,284	36,483	32,801	96,003	95,043	960	165,287	131,526	33,761	105,767	191,046	296,813	182,777	479,590
1973-74	119,838	34,153	85,685	104,720	107,605	-2,885	224,558	141,758	82,800	153,991	212,325	366,316	183,354	549,670
1974-75	115,745	33,793	81,952	84,965	114,499	-29,534	200,710	148,292	52,418	149,538	199,464	349,002	188,314	537,316
1975-76	83,796	34,557	49,239	81,141	102,321	-21,180	164,937	136,878	28,059	118,353	183,462	301,815	186,327	488,142
1971-76	451,399	178,653	272,746	476,053	514,612	-38,559	927,452	693,265	234,187	630,052	990,665	1,620,717	925,381	2,546,098
1976-77	68,273	36,005	32,268	93,744	99,476	-5,732	162,017	135,481	26,536	104,278	193,220	297,498	183,452	480,950
1977-78	51,995	31,822	20,173	84,047	74,557	9,490	136,042	106,379	29,663	83,817	158,604	242,421	185,443	427,864
1961-78	1,333,431	638,250	695,181	1,696,267	1,494,987	201,280	3,029,698	2,133,237	896,461	1,971,681	3,191,254	5,162,935	3,240,434	8,403,369

NOTE: 1 From June 1 to May 31
2 Source: Unpublished Statistics Canada tables, except for 1977-1978 which were estimated by Central Statistical Services.
3 Births plus deaths
4 Gross (total) migration + natural turnover

Social and Economic Data
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Ministry of Treasury and Economics

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TABLE 4b

ONTARIO: COMPONENTS OF MIGRATION, 1961-1962 TO 1977-1978

(RATIOS)

YEAR	EMIGRATION IMMIGRATION 2 : 1	NET INTERNATIONAL MIGRATION IMMIGRATION 3 : 1	OUT-MIGRATION IN-MIGRATION 5 : 4	NET INTER-PROVINCIAL MIGRATION IN-MIGRATION 6 : 4	IMMIGRANTS IN-MIGRANTS 1 : 4	EMIGRANTS OUT-MIGRANTS 2 : 5	NET INTER-NATIONAL MIGRATION TOTAL NET MIGRATION 3 : 9	NET INTER-PROVINCIAL MIGRATION TOTAL NET MIGRATION 6 : 9	GROSS INTER-NATIONAL MIGRATION GROSS INTER-PROVINCIAL MIGRATION 10 : 11	GROSS INTERNATIONAL MIGRATION GROSS (TOTAL) MIGRATION 10 : 12	NET INTER-NATIONAL MIGRATION GROSS INTER-NATIONAL MIGRATION 3 : 10	NET INTER-PROVINCIAL MIGRATION GROSS INTER-PROVINCIAL MIGRATION 6 : 11	TOTAL NET MIGRATION TOTAL GROSS MIGRATION 9 : 12	NATURAL TURNOVER TOTAL GROSS MIGRATION 13 : 12
	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1961-62	.8010	.1990	.9462	.0538	.4467	.3782	.6229	.3771	.4134	.2925	.1105	.0277	.0519	.9040
1962-63	.6649	.3351	.8500	.1500	.4688	.3668	.5115	.4885	.4219	.2967	.2013	.0811	.1168	.9289
1963-64	.4901	.5099	.7945	.2055	.5857	.3613	.5924	.4076	.4863	.3272	.3422	.1145	.1890	.8135
1964-65	.4296	.5704	.7621	.2379	.6531	.4888	.6103	.3897	.5299	.3463	.3990	.1350	.2264	.7428
1965-66	.2806	.7194	.7725	.2275	.8316	.3020	.7245	.2755	.6008	.3753	.5618	.1283	.2910	.6202
1961-66	.4720	.5280	.8177	.1823	.6131	.3539	.6397	.3603	.4965	.3318	.3587	.2020	.1861	.7987
1966-67	.4265	.5735	.7929	.2071	1.0216	.5495	.7389	.2611	.8128	.4484	.4020	.1155	.2440	.4937
1967-68	.5106	.4894	.8828	.1172	1.0615	.6139	.8159	.1841	.8516	.4599	.3240	.0623	.1826	.5213
1968-69	.5974	.4026	.8451	.1549	.9034	.6386	.7013	.2987	.7821	.4389	.2520	.0839	.1577	.5630
1969-70	.5752	.4248	.6016	.3984	.6677	.6384	.4159	.5841	.6567	.3964	.2697	.2487	.2570	.5361
1970-71	.6493	.3507	.6321	.3679	.5747	.5903	.3539	.6461	.5807	.3674	.2126	.2254	.2207	.5793
1966-71	.5399	.4601	.7375	.2625	.8267	.6051	.5917	.4083	.7326	.4228	.2988	.1510	.2135	.5374
1971-72	.6323	.3677	.8711	.1289	.5744	.4169	.6210	.3790	.5011	.3338	.2253	.0689	.1211	.6018
1972-73	.5266	.4734	.9900	.0100	.7217	.3838	.9716	.0284	.5536	.3563	.3101	.0050	.1137	.6158
1973-74	.2850	.7150	1.0275	-.0275	1.1444	.3174	1.0348	-.0348	.7253	.4204	.5564	-.0136	.2260	.5005
1974-75	.2920	.7080	1.3476	-.3476	1.3623	.2951	1.5634	-.5634	.7497	.4285	.5480	-.1481	.1502	.5396
1975-76	.4124	.5876	1.2610	-.2610	1.0327	.3377	1.7548	-.7548	.6451	.3921	.4160	-.1154	.0930	.6174
1971-76	.3958	.6042	1.0810	-.0810	.9482	.3472	1.1647	-.1647	.6360	.3887	.4329	-.0389	.1445	.5710
1976-77	.5274	.4726	1.0611	-.0611	.7283	.3619	1.2160	-.2160	.5397	.3505	.3094	-.0297	.0892	.6166
1977-78	.6120	.3880	.8871	.1129	.6186	.4268	.6801	.3199	.5285	.3457	.2407	-.0598	.1224	.7650
1961-78	.4787	.5213	.8813	.1187	.7861	.4269	.7755	.2245	.6178	.3818	.3526	.0631	.1736	.6276

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TABLE 4c

ONTARIO: COMPONENTS OF MIGRATION, 1961-1962 TO 1977-1978

(RATES PER 1,000 MIDPERIOD POPULATION)

YEAR	INTERNATIONAL MIGRATION			INTERPROVINCIAL MIGRATION			TOTAL NET MIGRATION			GROSS MIGRATION			NATURAL TURNOVER	POPULATION TURNOVER
	IMMIGRANTS	EMIGRANTS	NET MIGRATION	IN-MIGRANTS	OUT-MIGRANTS	NET MIGRATION	TOTAL IMMIGRANTS + IN-MIGRANTS	TOTAL EMIGRANTS + OUT-MIGRANTS	TOTAL NET MIGRATION	INTER-NATIONAL	INTER-PROVINCIAL	TOTAL MIGRATION		
	29	30	31	32	33	34	35	36	37	38	39	40	41	42
1961-62	5.5	4.4	1.1	12.3	11.6	0.7	17.8	16.0	1.8	9.9	23.9	33.8	32.9	66.7
1962-63	6.2	4.2	2.1	13.3	11.3	2.0	19.6	15.5	4.1	10.4	24.6	35.0	32.6	67.6
1963-64	8.5	4.1	4.3	14.4	11.5	3.0	22.9	15.6	7.3	12.6	25.9	38.5	31.3	69.8
1964-65	9.8	4.2	5.6	15.0	11.4	3.6	24.9	15.7	9.2	14.0	26.5	40.5	30.1	70.6
1965-66	13.2	3.7	9.5	15.8	12.2	3.6	29.0	15.9	13.1	16.9	28.0	44.9	27.9	72.8
1961-66	8.7	4.1	4.6	14.2	11.6	2.6	22.9	15.7	7.2	12.8	25.8	38.6	30.8	69.4
1966-67	16.5	7.0	9.5	16.1	12.8	3.3	32.6	19.8	12.8	23.5	28.9	52.4	25.9	78.3
1967-68	14.8	7.6	7.2	14.0	12.3	1.6	28.8	19.9	8.9	22.4	26.3	48.7	25.4	74.1
1968-69	12.1	7.2	4.9	13.4	11.4	2.1	25.6	18.6	7.0	19.4	24.8	44.2	24.9	69.1
1969-70	11.8	6.8	5.0	17.7	10.6	7.1	29.5	17.4	12.1	18.6	28.3	46.9	25.2	72.1
1970-71	9.6	6.3	3.4	16.8	10.6	6.2	26.4	16.9	9.5	15.9	27.4	43.3	25.1	68.4
1966-71	12.9	7.0	6.0	15.7	11.6	4.1	28.6	18.5	10.1	19.9	27.2	47.1	25.3	72.4
1971-72	8.1	5.1	3.0	14.0	12.2	1.8	22.1	17.3	4.8	13.2	26.3	39.5	23.8	63.3
1972-73	8.8	4.6	4.2	12.2	12.1	0.1	21.0	16.7	4.3	13.4	24.3	37.7	23.2	60.9
1973-74	15.0	4.3	10.7	13.1	13.5	-0.4	28.1	17.7	10.4	19.3	26.5	45.8	22.9	68.7
1974-75	14.2	4.2	10.0	10.5	14.1	-3.6	24.7	18.2	6.5	18.4	24.5	42.9	23.2	66.1
1975-76	10.2	4.2	6.0	9.9	12.4	-2.6	20.0	16.6	3.4	14.4	22.3	36.7	22.6	59.3
1971-76	11.3	4.5	6.8	11.9	12.9	-1.0	23.2	17.4	5.8	15.8	24.8	40.6	23.2	63.8
1976-77	8.2	4.3	3.9	11.3	12.0	-0.7	19.5	16.3	3.2	12.5	23.2	35.7	22.1	57.8
1977-78	6.2	3.8	2.4	10.0	8.9	1.1	16.2	12.6	3.5	10.0	18.8	28.8	22.0	50.8
1961-78	10.7	5.1	5.6	13.6	12.0	1.6	24.3	17.1	7.2	15.8	25.6	41.4	26.0	67.4

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VITAL STATISTICS ONTARIO

INTERPROVINCIAL MIGRATION ESTIMATES

ONTARIO POPULATION PROJECTIONS, 1976 - 2001

Ontario

Social and Economic Data
Central Statistical Services
Ministry of Treasury and Economics

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DEMOGRAPHIC BULLETIN

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ESTIMATED POPULATION FOR ONTARIO

The estimated population in Ontario on September 1, 1978 was 8,463,500.

VITAL STATISTICS, SEPTEMBER 1978, ONTARIO

BIRTHS in September 1978 totalled 8,840 live births, down 13.6% from September last year. For the twelve month period ending September, births were down 1.8% from the same period last year. The estimated birth rate was 14.3 per 1,000 down from 14.7 last year.

DEATHS were 12.3% below September last year. However, for the twelve month period ending September, deaths were up 2.3% over the same period last year.

NATURAL INCREASE (the excess of births over deaths) amounted to 4,506, a decline of almost 15% from September last year. The estimated natural increase rate per 1,000 population was 7.0 in 1978 as compared to 7.5 in 1977.

MARRIAGES celebrated in September were up over September last year. For the nine months the total was 50,423 - 6 more marriages than in the same period last year.

DIVORCES granted in September totalled almost 1,500, a decline of 7.5% from September last year. The divorce rate per 1,000 population was 2.2, down from 2.4 last year.

Marriage and Divorce Rates per 1,000 Population

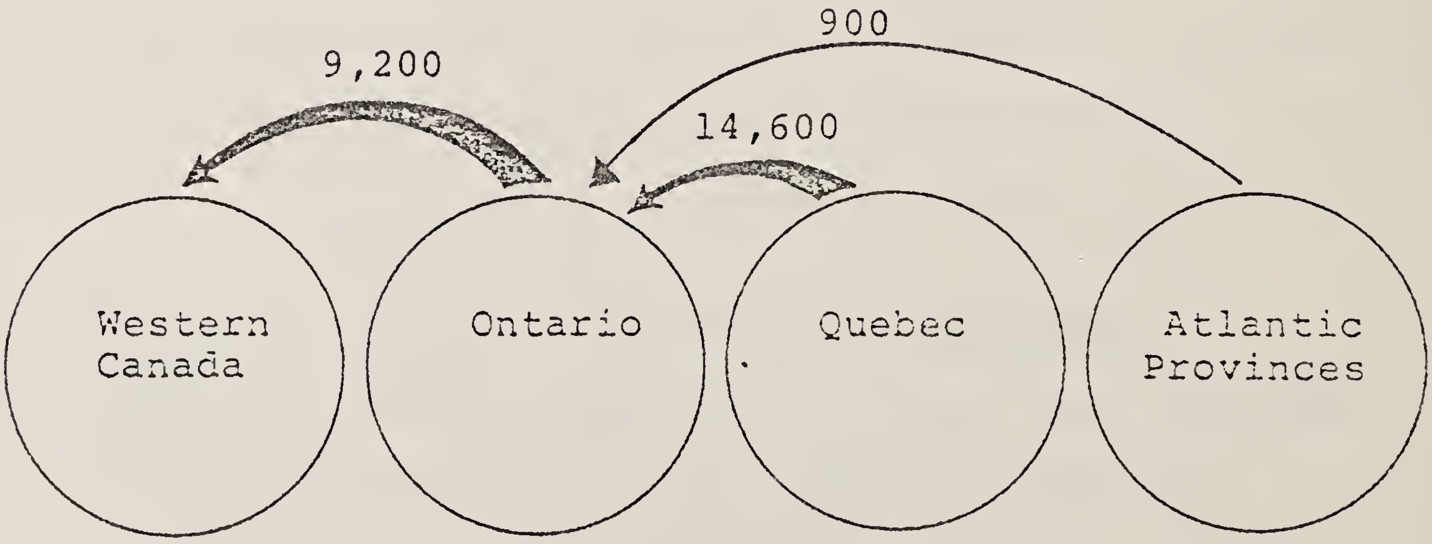
	September		12 months ended September			
	1978	1977	1978	1977	1976	1975
	Number		per 1,000 population			
Marriages	7,992	7,440	7.9	7.8	8.8	8.9
Divorces	1,498	1,619	2.2	2.4	1.9	1.8

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1978				
August	-1,400	2,400	100	1,100
Jan. to Aug.	-9,200	14,600	900	6,300

8 Months 1978



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

In August Ontario gained an estimated 1,100 people as a result of an inflow of 2,800 migrants mainly from Quebec (2,500) and an outflow of 1,700 migrants to other provinces, mainly Alberta.

From January to August 1978, the net gain was an estimated 6,259 persons. Over 16,500 moved into the province (Quebec 14,634) and 10,251 moved to the western provinces, mainly Alberta (6,381) and British Columbia (3,307). See Table 2.

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

	SEPTEMBER				12 MONTHS ENDING WITH SEPTEMBER						JANUARY - SEPTEMBER			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
ITEM[1]	1978	1977	NUMBER	%	1978	1977	1978	1977	1976	1975	1978	1977	NUMBER	%
Live Births	8,840	10,233	-1,393	-13.6	120,667	122,867	14.3	14.7	15.6	15.4	91,214	93,023	-1,809	-1.94
Deaths	4,334	4,944	-610	-12.3	61,932	60,511	7.3	7.2	7.5	7.6	46,997	45,705	1,292	2.83
Natural Increase	4,506	5,289	-783	-14.8	58,735	62,356	7.0	7.5	8.1	7.8	44,217	47,318	-3,101	-6.55
Marriages	7,992	7,440	552	7.4	67,125	65,562	7.9	7.8	8.8	8.9	50,423	50,417	6	0.01
Divorces	1,498	1,619	-121	-7.5	18,961	20,071	2.2	2.4	1.9	1.8	14,794	14,986	192	1.28
Population Base[2] (in thousands) as of June 1	-	-	-	-	-	-	8,443.8	8,354.0	8,264.5	8,172.2	-	-	-	-

SOURCE: 1 Registrar General, Ministry of Consumer and Commercial Relations
2 Statistics Canada: Cat. No. 91-001

Social and Economic Data
Central Statistical Services
Ministry of Treasury and Economics

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TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR AUGUST AND JANUARY-AUGUST, 1978

	AUGUST 1978			12 MONTHS ENDING WITH AUGUST 1978			JANUARY - AUGUST 1978		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
BETWEEN ONTARIO AND	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE
Newfoundland	-1	120	119	247	238	485	165	395	560
Prince Edward Island	-33	41	8	-124	72	-52	-68	119	51
Nova Scotia	-134	138	4	-118	1,016	898	-200	221	21
New Brunswick	-57	4	-53	-152	-87	-239	-2	226	224
Quebec	936	1,542	2,478	7,856	16,654	24,510	3,713	10,921	14,634
Manitoba	56	135	191	-70	530	460	42	978	1,020
Saskatchewan	-55	-79	-134	-333	-466	-799	-167	-196	-363
Alberta	-420	-549	-969	-3,122	-7,106	-10,228	-1,970	-4,411	-6,381
British Columbia	-369	-165	-534	-2,121	-2,999	-5,120	-1,271	-2,036	-3,307
Yukon and N. W. Territories	-9	-9	-18	-42	-407	-449	-36	-164	-200
Total Received	-86	1,178	1,092	2,021	7,445	9,466	206	6,053	6,259

* Preliminary Estimates

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts.
Ontario Ministry of Transportation and Communications, Drivers Change of Address.

Social and Economic Data
Central Statistical Services
Ministry of Treasury and Economics

December 1978

POPULATION PROJECTIONS 1976 - 2001

Ontario population growth is expected to be from 8 1/4 million in 1976 to just over 10 million in 2001. This represents a considerable reduction in the growth rate in the last few years and with continuing declines in fertility rates and a relative slow down in immigration, the overall population growth rate is expected to be as follows:

	Growth Rate Per Annum %
1976-1981	1.1
1981-1986	1.0
1986-1991	0.8
1991-1996	0.6
1996-2001	0.4

Distribution patterns in recent years have shown population shifting to the areas on the edge of major urban areas as urban centres have implemented density controls and as serviced land has become available in surrounding areas. Table 1 summarizes the most recent Ontario population projections by county to the year 2001.

(More detailed projections can be obtained through Dataline or by contacting Mr. C. Tappenden at 965-2217).

Methodology

Revision of the population projections for Ontario is undertaken periodically. The first set of projections based on the 1976 Census is completed. The basic input for the population projections are Census of Canada data for counties and for Ontario as a whole, by single years of age and sex. These basic Census data are brought forward year by year by adding the births based on age specific fertility rates of women and subtracting deaths based on age specific mortality rates, for males and females. Net external migration is added including migration from other provinces to Ontario as well as from abroad. The population for each county is also adjusted for internal movement within the province, and these are projected on a net movement basis by age and sex.

To date one population projection series based on low fertility rates has been prepared. The fertility rates for the province as a whole are based on historical trends in fertility and a general overview of present trends. These are projected on a curve basis. Current figures show that fertility is still declining, so the curve has been extended and this will reach a low point sometime after the end of the present period. The low is expected to be below 1.5 total fertility rate. Graph No. I shows past trends and projected trends. The chart shows clearly the differential which occurred between the projections based on the 1971 Census and the current ones based on the 1976 Census. This change resulted partly from the lower starting point but also from the change in the methodology from using a straight line to a curved line projection for fertility.

Mortality rates were treated in much the same fashion as fertility rates, however there has been very little change in mortality for most age groups. There is a continuing decline in death rates for the under one year olds and the over fifty year olds, and further improvement was projected for these groups. High survival rates for other age groups left little room for change. There is a relatively high level of death rates in the 15 to 24 year age group, largely due to the large number of accidental deaths. There was no basis for changing rates for this age group, so these were left constant.

County variations were considered by calculating separate fertility rates for the counties, then counties were ranked in five groups and expressed as a ratio of the Ontario rate. These rates had to be adjusted in order to ensure that the births in each county then added to the total for the province. With mortality rates there were also differences between counties and they were also grouped into five groups with age specific mortality rates by sex, adjusted by a ratio factor to the Ontario projected rate. For some age groups the differential from the high to the low counties was as much as 20% which is quite notable. The differentials were maintained over the projection period.

In addition to the mortality and fertility assumptions for each single year, estimates and projections were made of net population movements. The first projection was made on the basis of a total net gain of 30,000 people per year resulting from movements in and out of the province. This figure will depend largely on federal policies on immigration and is not basically a demographic factor, and it appears reasonable based on current economic conditions. It appears that the Federal government will continue to have a fairly open immigration policy for the underdeveloped countries and these people will be attracted to areas where friends and relatives have settled - a fairly high proportion of the external immigrants will undoubtedly come to southern Ontario. Internal movement in Canada is likely to continue its westward flow in the foreseeable future. In recent years Ontario has been losing population to the western provinces and gaining from Quebec and the Maritimes.

Distribution of those migrants within the province is based on information obtained on the choice of settlement place of those coming into Canada, results shown from Census information on immigrant population and where they are from and on changes that appear to take place in the settlement patterns of immigrants.

In addition to the immigrants from outside the province adjustments are made for internal migration. This has been developed on the basis of information from driver licence transfers and from residual changes in population in the past. The current projection with low fertility and 30,000 net migration assumes about 0.54 per cent of the population in Ontario moves internally each year. It is assumed that the age distribution of internal migrants is similar to that of the population.

Attached are two charts: Chart I shows low, medium and high rates for Ontario and Chart 2 the actual number of births and deaths projected for Ontario over this period. The current projection is made on the basis of the low fertility and at the present time appears to be the one most probable and useful for planning purposes within the Ontario government. Additional work will be done in the next year on medium and high fertility projections using different migration assumptions. However owing to the relative stability of mortality rates only one set of assumptions of mortality for each county by age and sex will be used for any future projection within the next year or two.

In summation, projections are developed through a computer model which uses:

1. Census Population by age and sex for each county.
2. Fertility rates by county for age specific female population based on base period differentials from provincial rates and provincial trends.
3. Mortality rates by county by single years of age and sex based on differentials from provincial rates and provincial trends.
4. Net external migration by age and sex assuming 30,000 per year gain to Ontario, distributed to counties on ratio of past patterns and current trends.
5. Net internal migration of 0.54 per cent of Ontario's population shifted annually between counties.

   The trends, ratios and adjustments are done within the projection model.

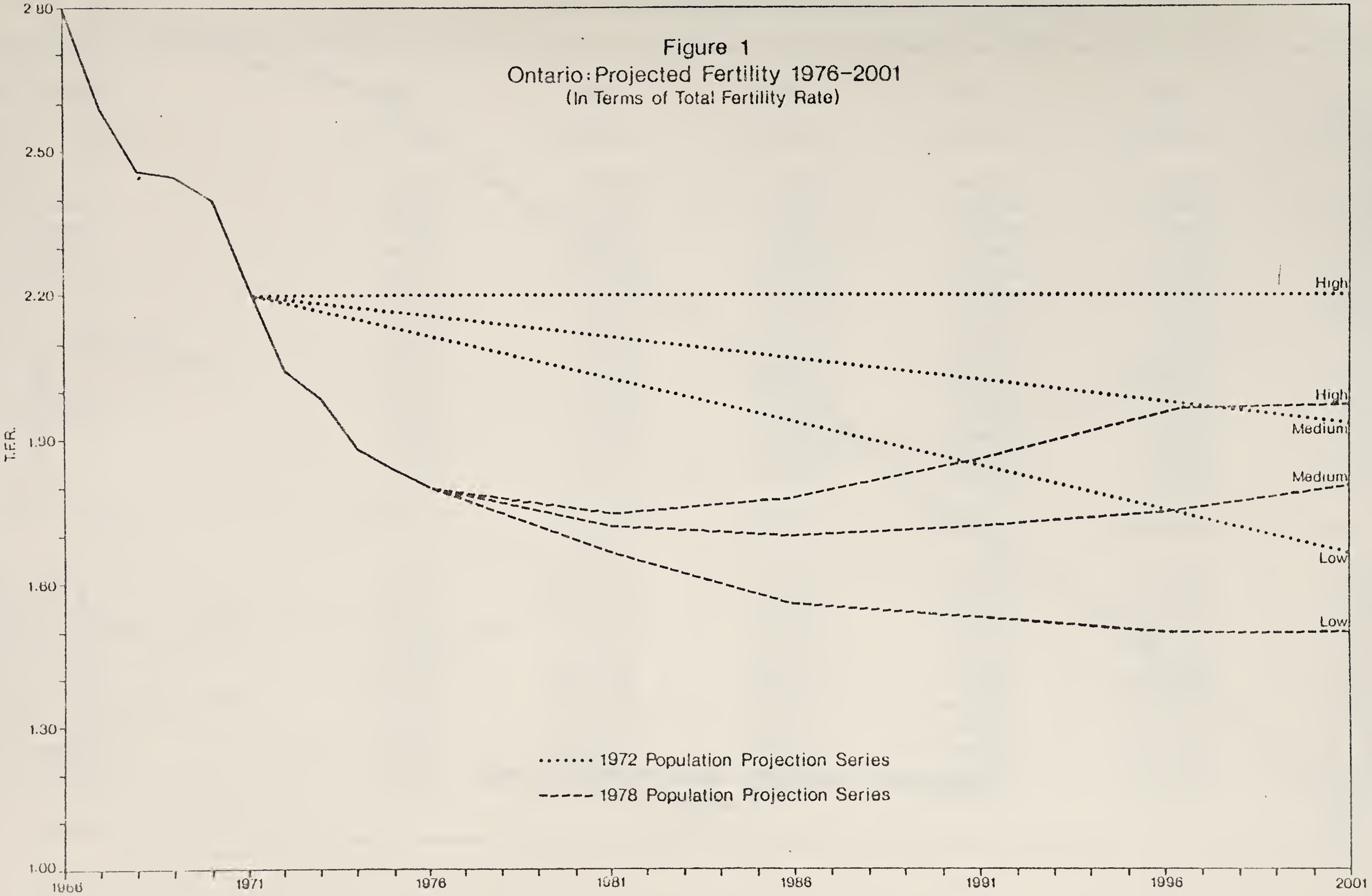

Figure 1
Ontario: Projected Fertility 1976–2001
(In Terms of Total Fertility Rate)

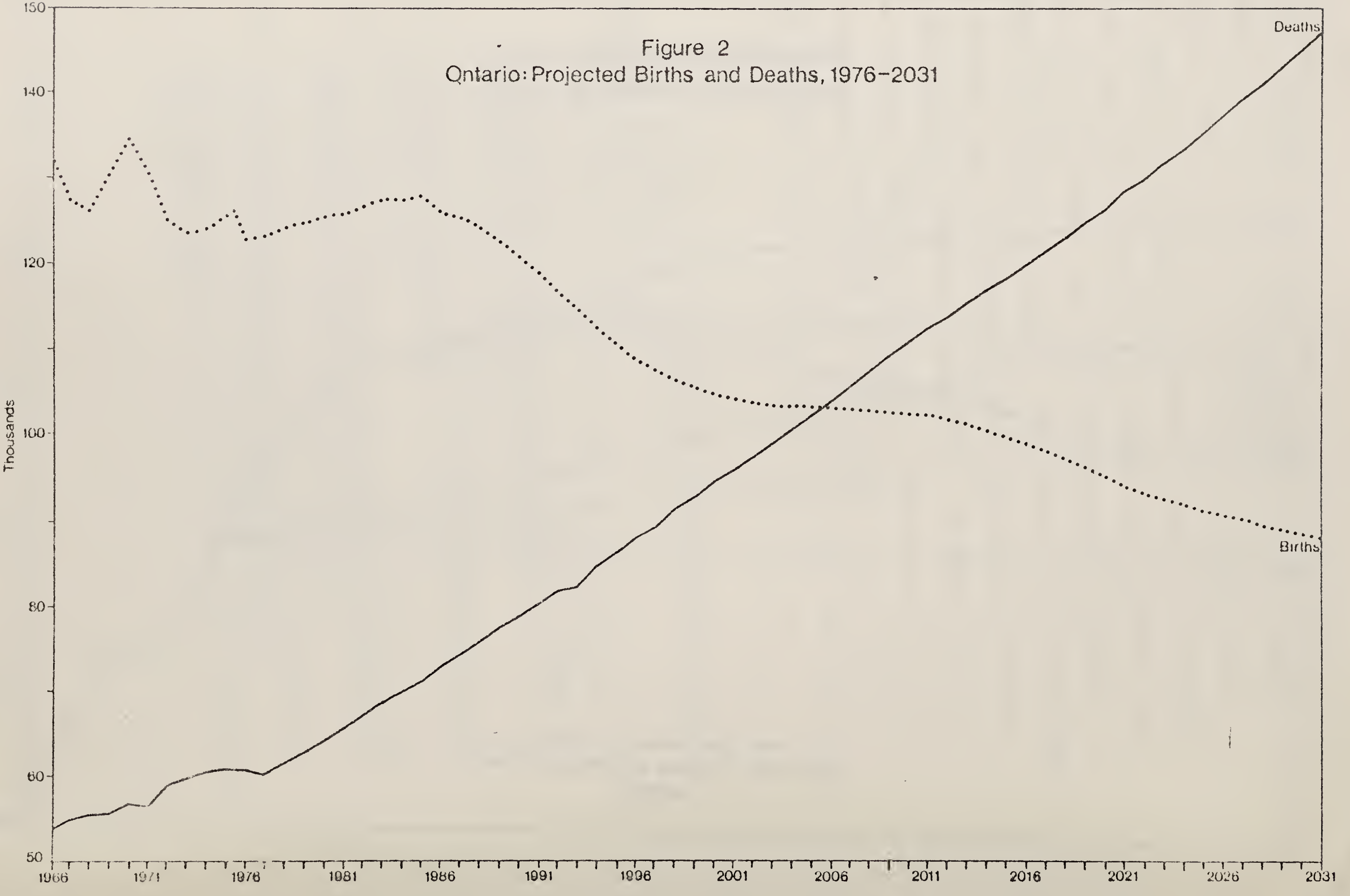

Figure 2
Qntario: Projected Births and Deaths, 1976-2031

ONTARIO: POPULATION PROJECTIONS BY REGIONS AND COUNTIES FOR YEARS 1981, 1986, 1991, 1996, 2001

Assumptions: Low Fertility; 30,000 net external migration per annum; internal migration at 0.54 per cent of Ontario population

Region/County	1976	1981	1986	1991	1996	2001
Eastern Ontario	1,149,299	1,200,113	1,248,081	1,286,370	1,310,234	1,322,403
Dundas	18,507	17,104	15,674	14,167	12,491	10,627
Frontenac	108,052	112,953	117,141	120,034	121,461	121,826
Glengarry	19,270	19,055	19,003	18,930	18,639	18,161
Grenville	26,025	27,804	29,856	31,947	33,930	35,682
Hastings	105,837	111,104	116,726	121,788	125,593	128,287
Lanark	44,197	43,420	42,761	41,905	40,706	39,175
Leeds	52,579	54,436	56,442	58,301	59,716	60,699
Lennox & Addington	32,633	32,812	32,876	32,779	32,411	31,787
Ottawa-Carleton (R.M.)	520,533	553,226	582,089	604,576	619,782	629,315
Prescott	29,100	31,088	33,283	35,441	37,212	38,654
Prince Edward	22,559	23,083	23,655	24,212	24,516	24,618
Renfrew	89,099	89,049	89,143	88,733	87,096	84,522
Russell	19,735	22,864	26,206	29,697	33,078	36,281
Stormont	61,173	62,115	63,226	63,860	63,603	62,769
Central Ontario	5,050,849	5,374,382	5,676,251	5,941,179	6,156,446	6,325,563
Brant	99,099	105,800	112,694	119,245	124,988	129,852
Dufferin	28,528	36,157	44,283	52,835	61,433	69,796
Durham (R.M.)	247,473	282,496	318,843	355,393	390,212	422,353
Haldimand-Norfolk (R.M.)	89,252	93,325	97,666	101,819	105,298	108,060
Haliburton	10,795	11,891	13,138	14,415	15,660	16,847
Halton (R.M.)	228,497	261,026	295,098	329,594	362,260	392,002
Hamilton-Wentworth (R.M.)	409,490	423,784	436,027	444,504	448,376	448,331
Muskoka (D.M.)	36,691	39,759	43,177	46,613	49,838	52,789
Niagara (R.M.)	365,438	380,712	395,784	409,003	418,589	424,274
Northumberland	64,441	68,123	72,318	76,553	80,338	83,590
Peel (R.M.)	375,910	459,296	545,089	632,972	720,064	803,859

Assumptions: Low Fertility; 30,000 net external migration per annum; internal migration at 0.54 per cent of Ontario population

Region/County	1976	1981	1986	1991	1996	2001
Central Ontario (Cont'd)						
Peterborough	99,930	104,233	108,676	112,604	115,496	117,439
Simcoe	210,691	235,810	261,934	287,913	312,452	335,223
Toronto (M.M.)	2,124,291	2,088,174	2,019,188	1,915,633	1,783,179	1,632,823
Victoria	43,543	45,720	48,302	50,941	53,366	55,532
Waterloo (R.M.)	289,129	325,871	362,248	397,179	429,893	460,205
Wellington	123,736	143,206	163,403	183,606	203,007	221,393
York (R.M.)	203,915	268,999	338,383	410,357	481,997	551,195
Southwestern Ontario	1,247,176	1,309,486	1,372,638	1,430,200	1,477,314	1,514,000
Bruce	57,472	62,220	67,578	73,190	78,630	83,723
Elgin	69,092	71,730	74,584	77,389	79,839	81,723
Essex	310,362	326,256	342,032	356,420	368,199	377,317
Grey	72,176	78,043	84,644	91,500	98,059	104,058
Huron	56,007	57,033	58,540	60,088	61,334	62,179
Kent	106,130	110,563	115,053	119,003	121,943	123,979
Lambton	120,576	129,706	139,148	147,942	155,451	161,787
Middlesex	303,745	315,698	325,626	332,423	335,884	336,727
Oxford	85,337	91,782	98,560	105,136	111,148	116,450
Perth	66,279	66,455	66,873	67,109	66,827	66,057

Assumptions: Low Fertility; 30,000 net external migration per annum; internal migration at 0.54 per cent of Ontario population

Region/County	1976	1981	1986	1991	1996	2001
Northeastern Ontario	583,746	606,180	629,813	649,709	661,433	666,052
Algoma	122,883	129,240	135,809	141,446	145,237	147,448
Cochrane	96,825	98,104	99,251	99,650	98,728	96,666
Manitoulin	10,893	11,068	11,442	11,898	12,308	12,617
Nipissing	81,739	86,843	92,457	97,741	101,791	104,728
Parry Sound	32,654	32,856	33,285	33,747	33,881	33,791
Sudbury (R.M.)	167,705	176,831	185,816	193,231	198,088	200,871
Sudbury (T.D.)	27,287	27,517	27,855	28,072	27,930	27,418
Timiskaming	43,760	43,721	43,898	43,924	43,470	42,513
Northwestern Ontario	233,395	240,725	247,791	253,389	256,528	257,447
Kenora	57,980	56,567	54,906	52,850	50,191	46,869
Rainy River	24,768	23,907	23,062	22,086	20,800	19,324
Thunder Bay	150,647	160,251	169,823	178,453	185,537	191,254
Total, Province of Ontario	8,264,465	8,730,886	9,174,574	9,560,847	9,861,955	10,085,465

R.M. - Regional Municipality
D.M. - District Municipality
M.M. - Metropolitan Municipality
T.D. - Territorial District

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DEMOGRAPHIC BULLETIN

(for further information call 965-2217)

ESTIMATED POPULATION FOR ONTARIO

The estimated population for Ontario on October 1, 1978 was 8,446,300.

VITAL STATISTICS, OCTOBER 1978, ONTARIO

BIRTHS in October 1978 totalled 8,337 live births, down 16.5% from October last year. For the twelve month period ending October, births were down 3% from the same period last year. The estimated birth rate was 14.1 per 1,000, down from 14.7 last year.

DEATHS were down 5.7% from October last year. However, for the ten month period the total was up over last year. The estimated death rate was 7.3 per 1,000, the same as last year.

NATURAL INCREASE (the excess of births over deaths) amounted to 3,665, a decline of 27% from October last year. For the ten months natural increase shows a decline of 4,461, from 52,343 in 1977 to 47,882 in 1978. The estimated natural increase rate per 1,000 population was 6.8 in 1978 compared to 7.4 in 1977.

MARRIAGES celebrated in October dropped by a total of 1,380 from October last year, and for the ten month period showed a decline of over 2%. However, for the twelve months ending October, the records show an increase of 10.7% over the same period last year.

DIVORCES granted in October totalled almost 2,000, an increase of 25% over October last year. Over the twelve month period, divorces were slightly below the same period a year ago, and the divorce rate per 1,000 population was 2.3, the same as last year.

Marriage and Divorce Rates per 1,000 Population

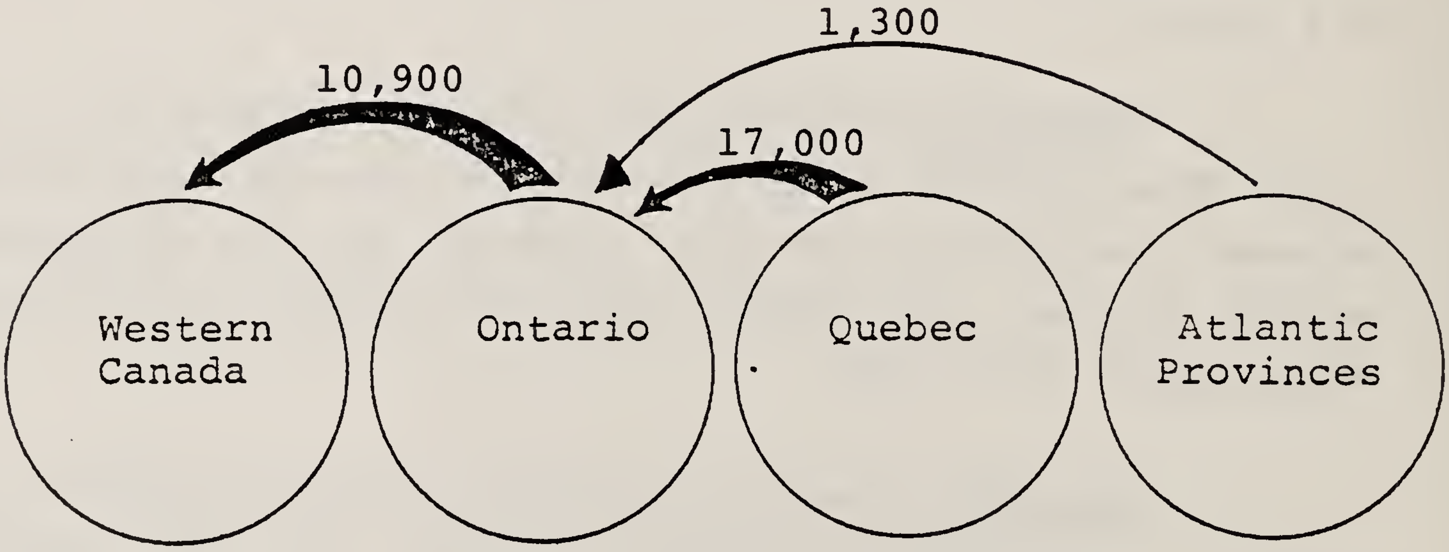
	October		12 months ended October			
	1978	1977	1978	1977	1976	1975
	Number		per 1,000 population			
Marriages	6,661	8,041	7.8	7.1	8.8	8.9
Divorces	1,998	1,591	2.3	2.3	1.9	1.8

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1978				
September	- 1,700	2,400	400	1,100
Jan. to Sept.	-10,900	17,000	1,300	7,400

9 Months 1978



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

In September 1978, Ontario gained an estimated 1,100 people as a result of an inflow of a little over 3,000 migrants mainly from Quebec (2,400), and an outflow of 1,900 to other provinces mainly Alberta and British Columbia.

For the nine months of 1978 the cumulative net migration showed a net gain of 7,345 people. Almost 19,500 moved to Ontario from Quebec (17,013), Manitoba (1,241), and the Atlantic Provinces (1,229), while the total moving to Western Canada was 12,138 (Alberta 7,681 and British Columbia 3,781).

IMMIGRATION AND EMPLOYMENT

Over the last 25 years, immigration to Ontario has averaged 79,000 annually and has fluctuated considerably from a low of 36,518 in 1961 to a high of 147,097 in 1957. A number of factors which are difficult to quantify precisely have contributed to the wide variations in annual immigration to the Province. Cumulatively, however, their impact on the size of immigration to Ontario is considerable.

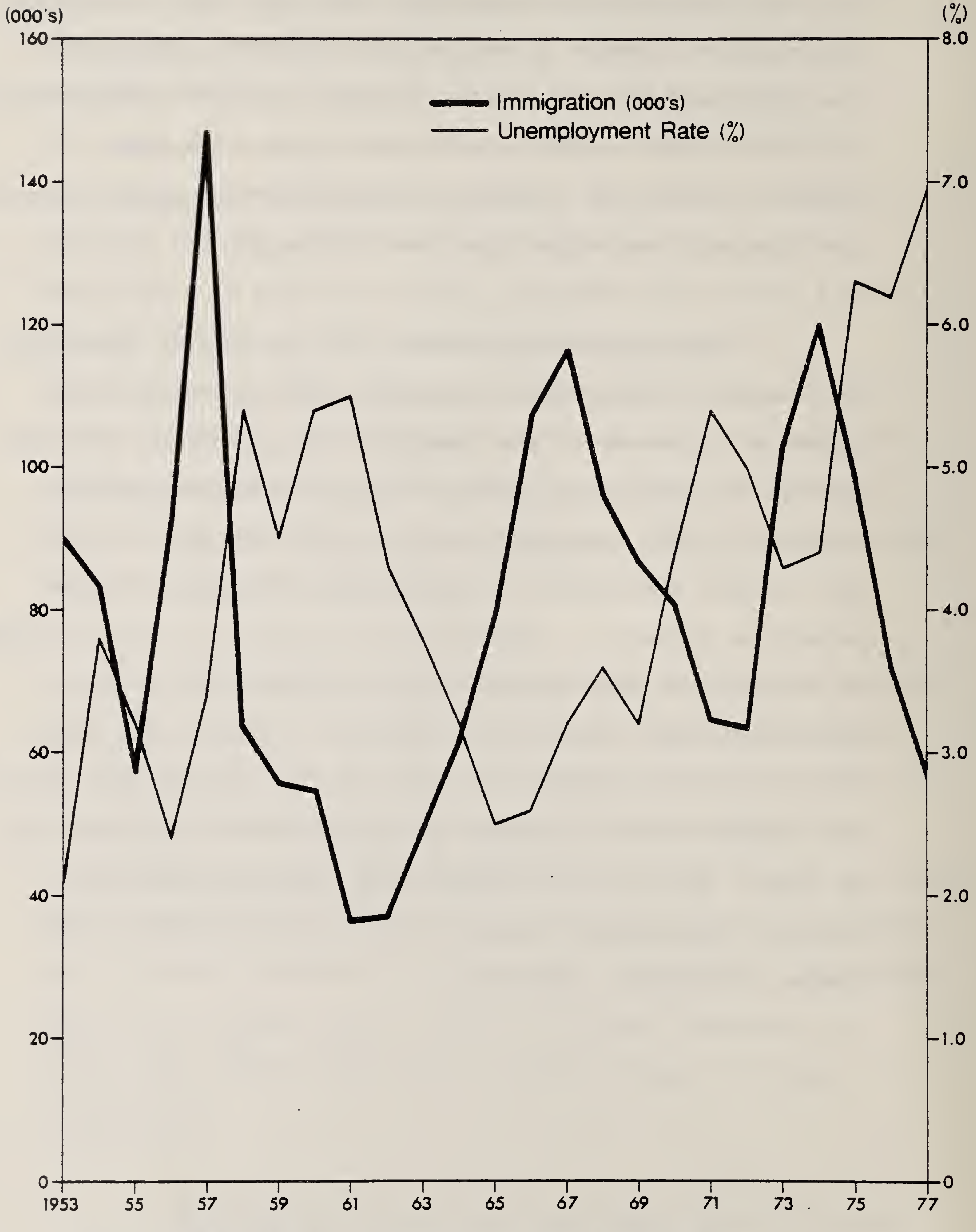
To a large extent, changes in immigration flow to Canada and Ontario have been due to very notable cyclical fluctuations in economic activity as shown in the following chart. There have been three periods of substantial economic slack in Ontario since 1953 as indicated by the high rates of unemployment - in the years 1958-61, 1971 and 1975-77. These periods of rising unemployment were marked by a significant downturn in immigration. The slowdown in economic growth in the late 1950's clearly resulted in the sharp decline in immigration from a high of 147,097 in 1957 to a low of 36,518 in 1961. As economic conditions improved and the unemployment rate continued to decline, immigration to Ontario steadily expanded and reached a new high of 116,850 in 1967. With the sharp increase in unemployment in 1971, immigration dropped to a new low of 63,805 in 1972. The economic recovery in 1973 reversed the declining trend but the recession in 1975 and the dramatic rise in unemployment to record levels in 1977 has again caused immigration to drop sharply.

The negative relationship between immigration and the unemployment rate also reflects Canada's immigration policy. This policy has been to encourage migrant workers to come to Canada when employment opportunities are plentiful and to discourage them when unemployment rises. This "tap on and off" policy has clearly reinforced the negative impact of unemployment on annual immigration to Ontario. In effect, immigration serves as a buffer during times of economic expansion to satisfy the labour demand when domestic supply of labour is insufficient.

Economic and political conditions abroad have also influenced the flow of immigration to Canada and Ontario. The declining relative importance of Europe as a source of immigrants to Canada in recent years may be attributed to the rapid economic expansion in Europe and the establishment of a free labour market within the European Economic Community which has created an attractive employment alternative for Europeans who might have come to Canada.

The immigration movement is also highly responsive to changes in immigration policies and regulations. The dramatic increases in the number of immigrants in 1973 and 1974 were largely the result of the federal government's action to grant immigrant status to over-staying visitors and illegal immigrants in Canada under extremely lenient selection criteria. Discretionary policies to accept refugees to Canada have also substantially increased the number of immigrants that Ontario has received. Clearly, the large immigration into Ontario in 1957 was to a significant extent the result of the Hungarian Revolution which occurred late in 1956. The flow of refugees from Czechoslovakia in 1968-69, and Ugandan Asians in 1972-73 have added to the number of Ontario immigrants.

Immigration to Ontario and the Unemployment Rate 1953-1977



Source: 1. Canada Employment and Immigration Commission/Department. Immigration Statistics, 1953-1977

2. Statistics Canada. Catalogue No. 71-201 and 71-001

Note: Unemployment rates from 1966 are based on revised labour force definition

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

	OCTOBER				12 MONTHS ENDING WITH OCTOBER						JANUARY - OCTOBER			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
ITEM[1]	1978	1977	NUMBER	%	1978	1977	1978	1977	1976	1975	1978	1977	NUMBER	%
Live Births	8,337	9,979	-1,642	-16.5	119,025	122,671	14.1	14.7	15.6	15.4	99,551	103,002	-3,451	-3.35
Deaths	4,672	4,954	-282	-5.7	61,650	60,674	7.3	7.3	7.5	7.6	51,669	50,659	1,010	1.99
Natural Increase	3,665	5,025	-1,360	-27.1	57,375	61,997	6.8	7.4	8.1	7.8	47,882	52,343	-4,461	-8.52
Marriages	6,661	8,041	-1,380	-17.2	65,745	59,386	7.8	7.1	8.8	8.9	57,084	58,458	-1,374	-2.35
Divorces	1,998	1,591	407	25.6	19,368	19,483	2.3	2.3	1.9	1.8	16,984	16,385	599	3.66
Population Base[2] (in thousands) as of January 1	-	-	-	-	-	-	8,443.8	8,354.0	8,264.5	8,172.2	-	-	-	-

SOURCE: 1 Registrar General, Ministry of Consumer and Commercial Relations
2 Statistics Canada: Cat. No. 91-001

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TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR SEPTEMBER AND JANUARY-SEPTEMBER, 1978

	SEPTEMBER 1978			12 MONTHS ENDING WITH SEPTEMBER 1978			JANUARY - SEPTEMBER 1978		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
BETWEEN ONTARIO AND	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE
Newfoundland	-16	60	44	186	155	341	149	455	604
Prince Edward Island	-23	-9	-32	-119	67	-52	-91	110	19
Nova Scotia	-45	246	201	-179	1,207	1,028	-245	467	222
New Brunswick	-58	218	160	-139	209	70	-60	444	384
Quebec	998	1,381	2,379	7,576	16,300	23,876	4,711	12,302	17,013
Manitoba	89	132	221	-49	624	575	131	1,110	1,241
Saskatchewan	-70	-57	-127	-348	-506	-854	-237	-253	-490
Alberta	-454	-846	-1,300	-3,386	-7,759	-11,145	-2,424	-5,257	-7,681
British Columbia	-245	-229	-474	-2,260	-3,305	-5,565	-1,516	-2,265	-3,781
Yukon and N. W. Territories	-4	18	14	-27	-391	-418	-40	-146	-186
Total Received	172	914	1,086	1,255	6,601	7,856	378	6,967	7,345

*Preliminary Estimates

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts.
Ontario Ministry of Transportation and Communications, Drivers Change of Address.

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The Effect of Demographic Change on Enrolment and Use of School Facilities in Ontario to the Year 2001	3.50

Economic Data:

Ontario Economic Accounts Quarterly Time Series 1974-1975, Sept. 1977	3.00
Ontario Economic Accounts - Quarterly Time Series 1970-1976, June 1978	2.50
Ontario Economic Accounts - Quarterly Bulletin	4.00/yr.*
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Social Indicators for Ontario, 1977	4.00

Government and Miscellaneous:

Index of Ontario Government Statistics for Municipalities	2.00
ONSTAT News (C.S.S. Quarterly)	N/C*
Index of Statistical Files in the Ontario Government, 1977	3.00

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Credit Union Statistics
Census of Industries, Statistics Canada, Ontario Data
Census of Population, Statistics Canada, Ontario Data
Population Projections Ontario and Counties 1971-2001 (Available through Dataline Telephone: G. Kozab 964-9515)

24.

DEMOGRAPHIC BULLETIN

DECEMBER 1978

VITAL STATISTICS ONTARIO
INTERPROVINCIAL MIGRATION ESTIMATES
DEMOGRAPHIC TRENDS AND SCHOOL EXPENDITURES

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DEMOGRAPHIC BULLETIN

(for further information call 965-2217)

ESTIMATED POPULATION FOR ONTARIO

The estimated population in Ontario on November 1, 1978 was 8,470,200.

VITAL STATISTICS, NOVEMBER 1978, ONTARIO

BIRTHS in November 1978 totalled 12,762 live births, up 13.7% from November 1977. However for the eleven months ending November, the 1978 total was down 1.7% from the same total in 1977. The estimated birth rate was 14.3 per 1,000 population, down from 14.8 last year.

DEATHS in 1978 were up over 1977 both for the month and for eleven months. The estimated death rate at 7.3 per 1,000 population was the same as last year.

NATURAL INCREASE (the excess of births over deaths) in November 1978 amounted to 7,064, an increase of almost 22% over November 1977. However for the eleven month period the total was down 5.5% and the estimated natural increase rate was 7.0 per 1,000 in 1978 compared to 7.5 in 1977.

MARRIAGES celebrated in November 1978 were up almost 20% over November of the previous year, but the eleven month total was down slightly from the previous year.

DIVORCES granted in November were up by 168 over November 1977, and the eleven month figure was up by 4.3%. The divorce rate per 1,000 population was 2.3, the same as in 1977.

Marriage and Divorce Rates per 1,000 Population

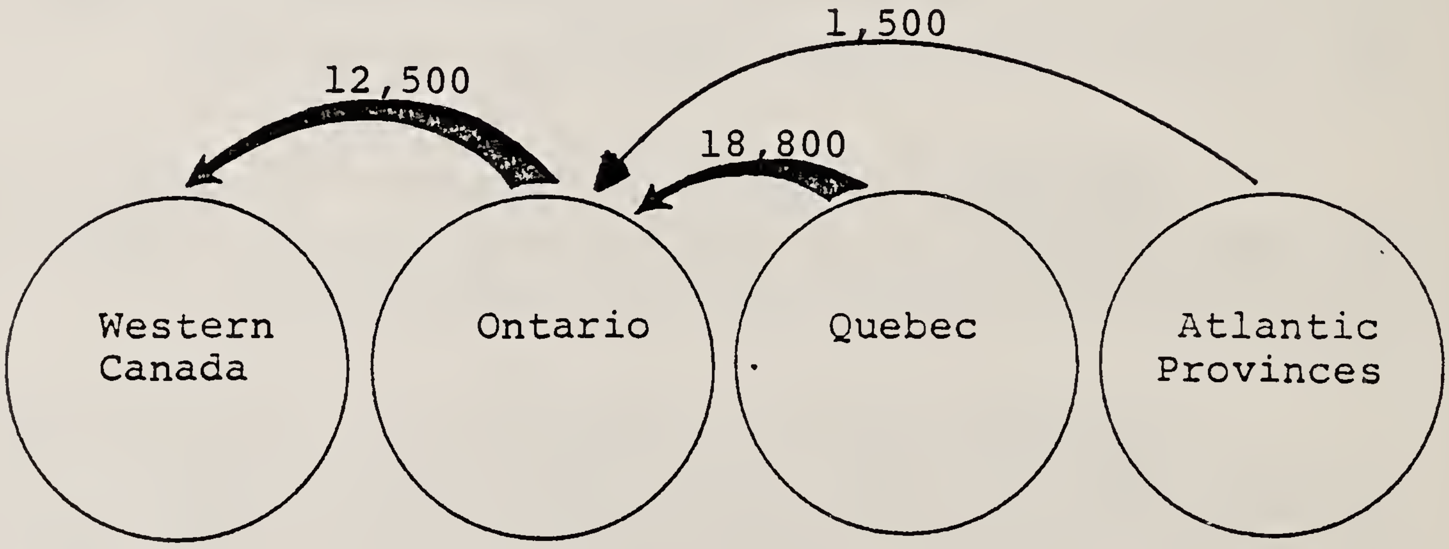
	November		12 months ended November			
	1978	1977	1978	1977	1976	1975
	Number		per 1,000 population			
Marriages	6,374	5,329	7.9	8.1	8.8	8.9
Divorces	1,599	1,431	2.3	2.3	1.9	1.8

INTERPROVINCIAL MIGRATION ESTIMATES

Population Exchange, Ontario and the Rest of Canada
(Net Movements)

	Western Canada	Quebec	Atlantic Provinces	Net Gain to Ontario
1978				
October	- 1,600	1,800	200	400
Jan. to Oct.	-12,500	18,800	1,500	7,800

10 Months 1978



Note: These interprovincial migration estimates are based on two sets of administrative data: (a) the "Change of Address of Driver License Holders", and (b) the "Transfer of Family Allowance Accounts". These two sets of data represent two different statistical populations, which in broad terms cover the whole population. There is some overlap in the 16 year olds but this is partially balanced by the non-coverage of adult non-drivers. With regard to timing there is also some question as to how promptly people change their driver registrations.

In October Ontario gained an estimated 450 people as a result of an inflow of 2,200 migrants mainly from Quebec (1,800) and an outflow of 1,759 migrants to other provinces, mainly Alberta.

The net gain from January to October was 7,800 people. An estimated 21,687 people moved into the province - from Quebec 18,852, Manitoba 1,356 and from the Atlantic Provinces 1,479, while the number moving out of Ontario was estimated at almost 14,000. Alberta was the destination of 8,800 followed by British Columbia (4,200).

TABLE 1

PROVISIONAL VITAL STATISTICS FOR ONTARIO

	NOVEMBER				12 MONTHS ENDING WITH NOVEMBER						JANUARY - NOVEMBER			
	NUMBER		DIFFERENCE		NUMBER		RATE/1,000 POPULATION				NUMBER		DIFFERENCE	
ITEM[1]	1978	1977	NUMBER	%	1978	1977	1978	1977	1976	1975	1978	1977	NUMBER	%
Live Births	12,762	11,224	1,538	13.7	120,563	123,528	14.3	14.8	15.6	15.4	112,313	114,226	-1,913	-1.67
Deaths	5,698	5,428	270	4.7	61,920	60,985	7.3	7.3	7.5	7.6	57,367	56,087	1,280	2.28
Natural Increase	7,064	5,796	1,268	21.9	58,643	62,543	7.0	7.5	8.1	7.8	54,946	58,139	-3,193	-5.49
Marriages	6,374	5,329	1,045	19.6	66,790	67,564	7.9	8.1	8.8	8.9	63,458	63,787	-329	-0.52
Divorces	1,599	1,431	168	11.7	19,536	19,705	2.3	2.3	1.9	1.8	18,583	17,816	767	4.31
Population Base[2] (in thousands) as of January 1	-	-	-	-	-	-	8,443.8	8,354.0	8,264.5	8,172.2	-	-	-	-

SOURCES: 1 Registrar General, Ministry of Consumer and Commercial Relations.
2 Statistics Canada: Cat. No. 91-001.

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Central Statistical Services
Ministry of Treasury and Economics

January 1979

TABLE 2

SUMMARY TABLE: NET MIGRATION BETWEEN ONTARIO AND OTHER PROVINCES FOR OCTOBER AND JANUARY - OCTOBER 1978

	OCTOBER 1978			12 MONTHS ENDING WITH OCTOBER 1978			JANUARY - OCTOBER 1978		
	TRANSFER OF			TRANSFER OF			TRANSFER OF		
BETWEEN ONTARIO AND	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE	CHILDREN	DRIVERS*	CUMULATIVE
Newfoundland	-34	45	11	85	271	356	115	500	615
Prince Edward Island	-3	-5	-8	-98	110	12	-94	105	11
Nova Scotia	-5	96	91	-275	1,284	1,009	-250	563	313
New Brunswick	15	141	156	-126	420	294	-45	585	540
Quebec	637	1,202	1,839	7,089	16,595	23,684	5,348	13,504	18,852
Manitoba	18	97	115	29	1,019	1,048	149	1,207	1,356
Saskatchewan	-13	-114	-127	-307	-485	-792	-250	-367	-617
Alberta	-473	-625	-1,098	-3,475	-7,601	-11,076	-2,897	-5,882	-8,779
British Columbia	-286	-174	-460	-2,220	-2,658	-4,878	-1,802	-2,439	-4,241
Yukon and N.W. Territories	6	-72	-66	-15	-468	-483	-34	-218	-252
Total Received	-138	591	453	687	8,487	9,174	240	7,558	7,798

*Preliminary Estimates

SOURCE: Canada Department of Health and Welfare, Transfer of Family Allowance Accounts.
Ontario Ministry of Transportation and Communications, Drivers Change of Address.

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Central Statistical Services
Ministry of Treasury and Economics

January 1979

DEMOGRAPHIC TRENDS AND SCHOOL EXPENDITURES*

Population is only one of the factors affecting educational expenditures in any jurisdiction. In Ontario, between the mid-fifties and the early seventies expenditures in the education sector increased threefold for elementary schools and fourfold for secondary schools from 1965 to 1975. Elementary school enrolment increased by only 3.3 per cent over that period and secondary school enrolment by 22.1 per cent.

The general inflation in Canada, was, of course, partially responsible for the increase and if the costs of education had increased at only the same rate as the Consumer Price Index we would still have had a fairly substantial jump in cost of education. However, only 57 to 58 per cent of the educational cost increases can be accounted for by general inflationary pressures in Ontario. (See Table, page 7).

The bulk of the expenditure increase over and above that accounted for by overall inflation, can be accounted for, not by enrolment increases, but by changes in educational

---

* For further details, see

1. Demographic Bulletin July 1978, or,
2. The Effect of Demographic Change on Enrolment and the Use of School Facilities in Ontario to the year 2001. A staff report prepared for the Commission on Declining Enrolments, April 1978, Queen's Park Bookstore.
3. The Effect of Demographic Change on Enrolment on Elementary and Secondary School Expenditure, A Staff Report prepared for the Commission on Declining School Enrolments in Ontario (CODE), Working Paper #31, 1978,
   Or/ Contact C. Wong 965-7081

INCREASES IN INSTRUCTIONAL EXPENDITURES IN ONTARIO 1965 TO 1975

COMPONENT	ELEMENTARY		SECONDARY		ELEMENTARY AND SECONDARY	
	INCREASE IN %	% OF TOTAL	INCREASE IN %	% OF TOTAL	INCREASE IN %	% OF TOTAL
Inflation*	377,252,000	57.6	262,960,700	57.1	640,212,700	57.4
Enrolment Increase**	21,482,400	3.3	101,532,100	22.1	123,014,500	11.0
Changes in Pupil/ Teacher Ratio***	97,456,700	14.9	35,791,900	7.8	133,248,600	12.0
Teacher Salary Increase****	159,000,000	24.2	59,937,300	13.0	218,937,300	19.6
Total	655,191,100	100.0	460,222,000	100.0	1,115,413,000	100.0

* Based on the Consumer Price Index which increased 72% from 1965-1975.

** This component represented the salaries required to support the additional teachers required by the enrolment increase. Elementary and secondary enrolment increased by 69,440 and 186,420 respectively between 1965-1975.

*** This component represents the salaries required to support the additional teachers required by a lowering of the pupil/teacher ratio. In the elementary school system the crude pupil/teacher ration based on full-time teachers declined from 29.4 in 1965 to 23.9 in 1975 while in the secondary school system the ratio declined from 19.3 in 1965 to 17.4 in 1975. (See Appendix I).

**** This expenditure component includes increased teachers salaries over and above inflation and the amount resulting from increased qualifacations and experience.

Average annual salaries for elementary school teachers increased from about $5,470. per year in 1965 to $15,490. per year in 1975. The figures for secondary school teachers were $7,750. per year in 1965 and $18,040. per year in 1975.

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policy and more rapid rises in costs in this sector than in the overall economy. Education policy i.e., pupil/teacher ratios, teacher qualification requirements, and rapid increases in teachers salaries accounted for nearly 90 per cent of the increase in instruction salaries, which is the largest education expenditure component.

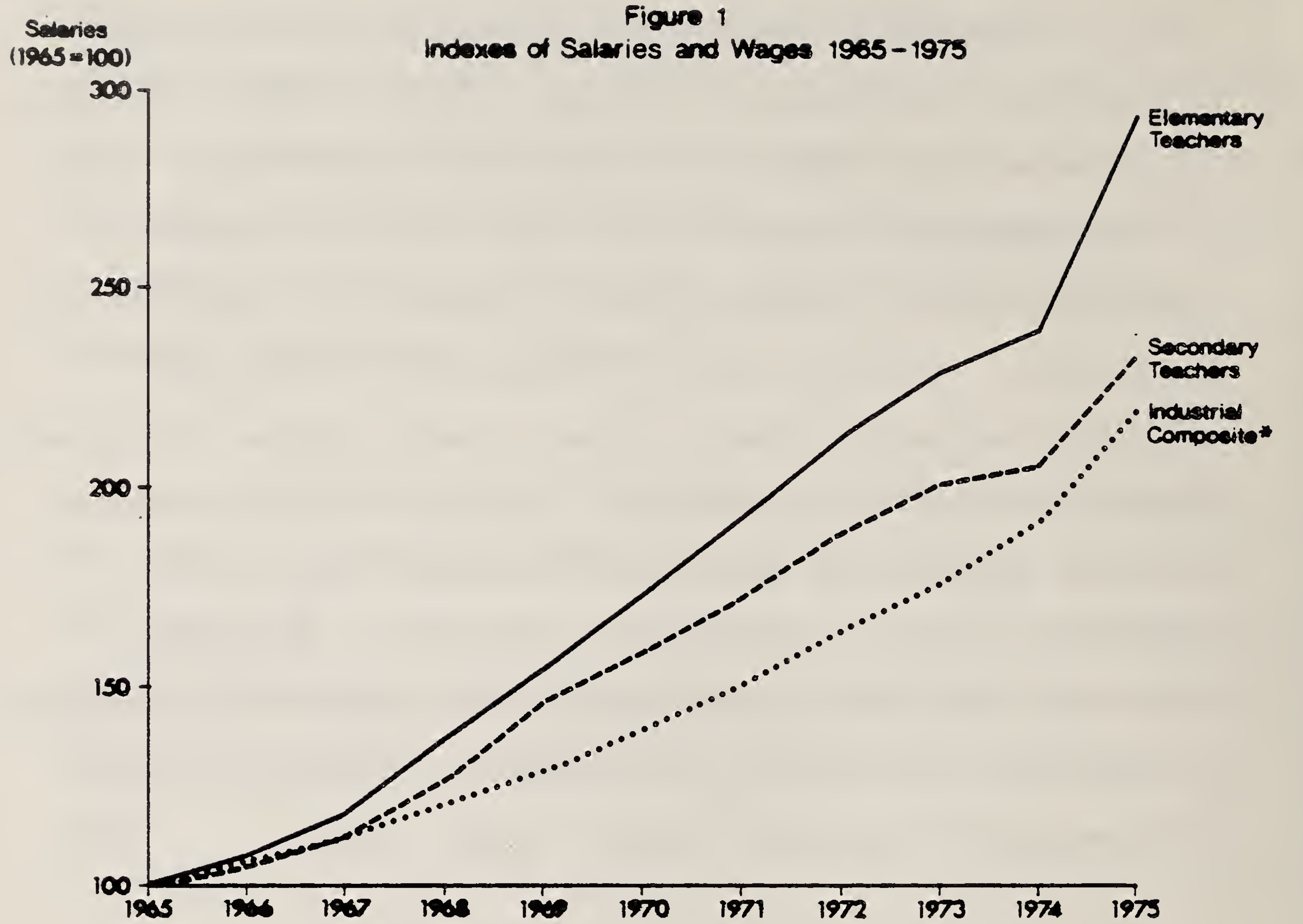
Assuming there is no change in policy, continuing declines in school enrolment may not necessarily result in any reduction in education expenditure. In all probability, even discounting inflation, elementary and secondary school expenditure may well continue to increase in the next few years.

Present reimbursement policies, in many cases built into teacher union contracts, give fairly generous bonuses for upgraded qualifications and for experience. As teachers continue to upgrade their qualifications, with limited teacher turnover and a resultant more experienced teaching force, the total instructional bill can continue to rise even with a shrinking numerical base.

There will probably also be continued need for capital expenditure in a number of locations due to shifts in geographic distribution of population. Furthermore, since the bulk of capital expenditure took place during the 1960's and the beginning of the 1970's, the burden of debt charges will not be significantly eased until the mid-1980's.

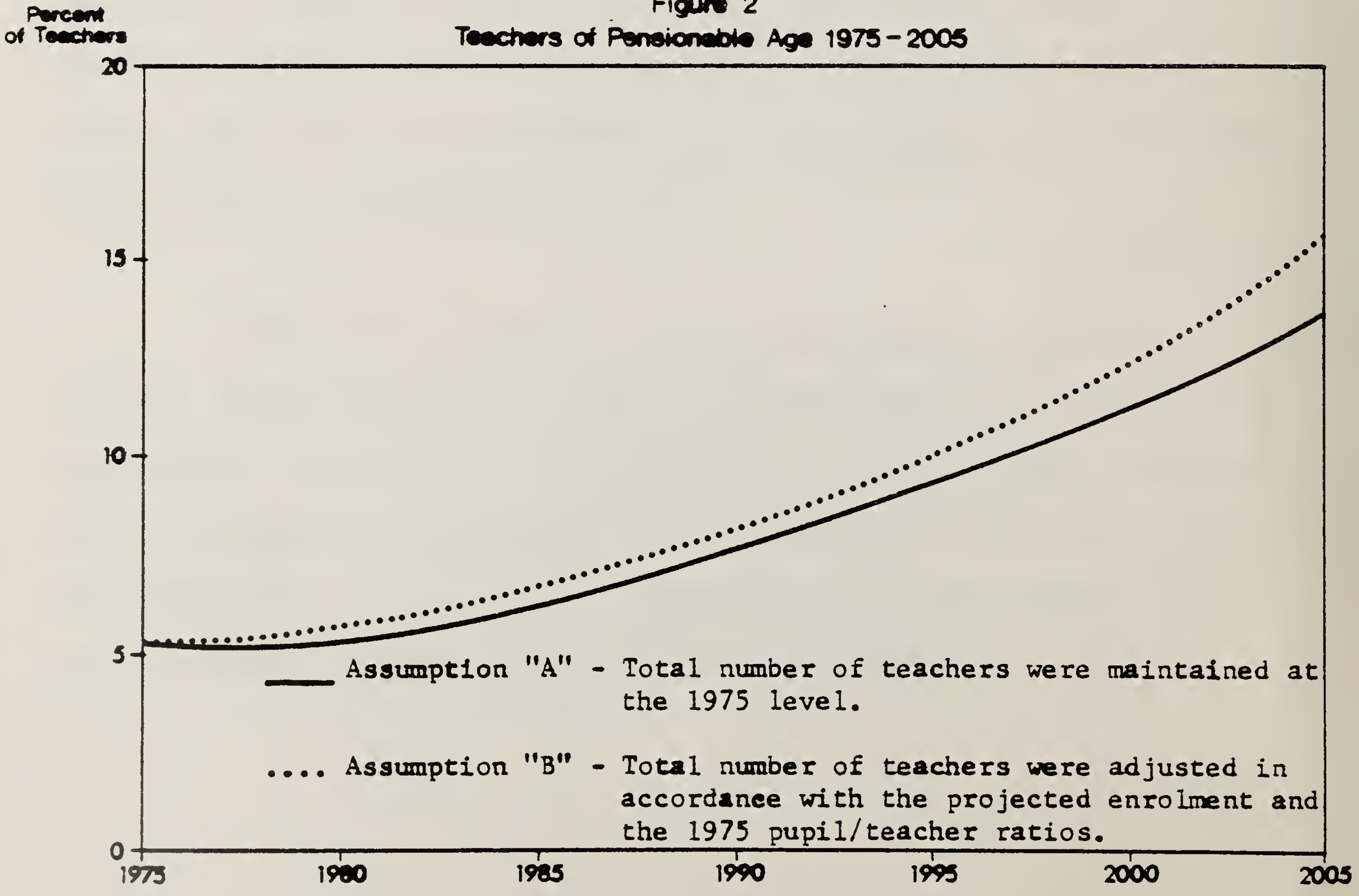
Increased expenditures associated with pensions may also be anticipated as a result of the rise in teachers salaries and the aging of the teaching labour force. Much of the expansion in the teacher work force took place in the sixties which leaves us with a relatively young teacher population. The shut down in hiring and the policies regarding seniority create a trend toward gradual aging and towards the end of the century, the proportion of teachers who have reached the qualified retirement age (55) is expected to triple. (See Chart, page 10). Educational enrolment and teacher requirements are expected to continue to decline to the turn of the Century if fertility rates and immigration policies follow current trends.

Figure 1
Indexes of Salaries and Wages 1965 - 1975



*Industrial composite includes the following groups: forestry, mining, manufacturing, construction, transportation and communications, trade, finance, insurance and service. For details, see Employment, Earnings and Hours, Statistics Canada.

Figure 2
Teachers of Pensionable Age 1975 - 2005



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